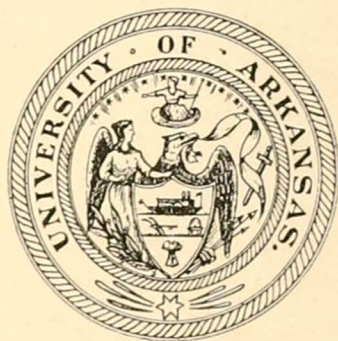


(Brought)
Brought
CATALOGUE
OF THE
UNIVERSITY OF ARKANSAS

THIRTY-FIRST EDITION



FOUNDED MARCH 27, 1871

FAYETTEVILLE, ARKANSAS

1903-1904

PRESS OF
Arkansas Democrat Co.,
LITTLE ROCK.

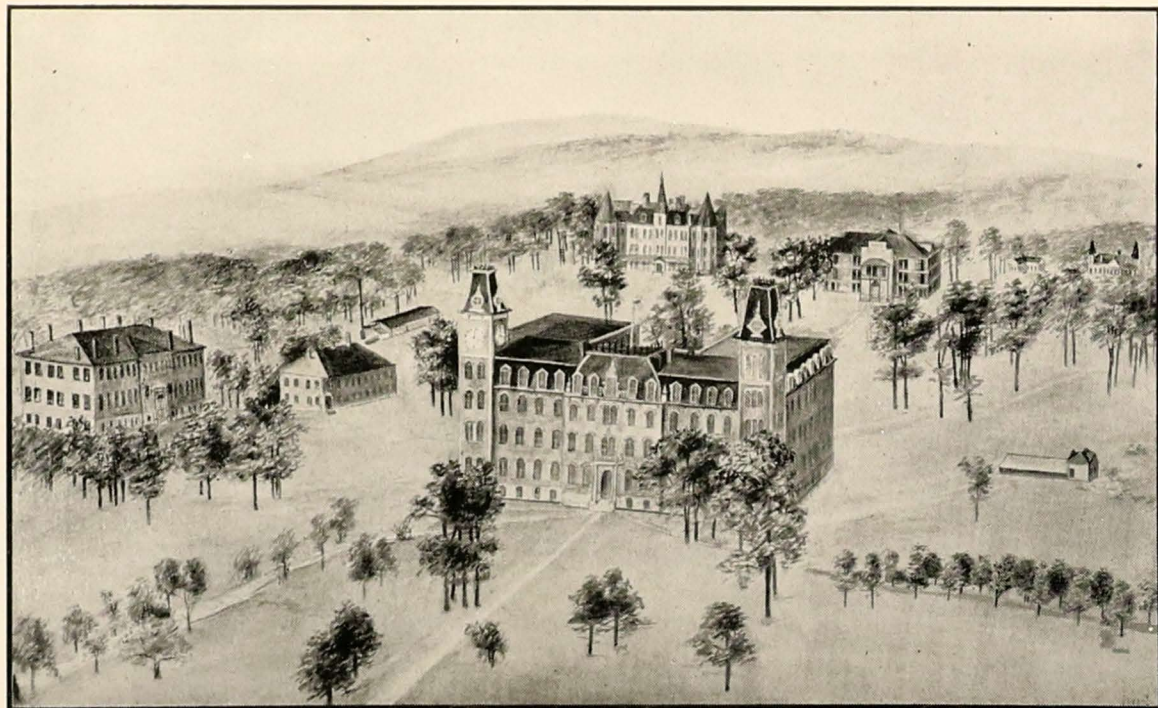


Mechanical Hall

Buchanan Hall

New Dormitory

Agricultural Experiment Station



Engineering Hall

Science Hall

UNIVERSITY HALL

Horticultural Building



UNIVERSITY OF ARKANSAS MEDICAL SCHOOL. LITTLE ROCK



STATE CAPITOL WITH SUPREME COURT LIBRARY IN WHICH LAW SCHOOL LECTURES ARE GIVEN.

CONTENTS.

CALENDAR.

DEPARTMENTS OF THE UNIVERSITY OF ARKANSAS.

PART I. OFFICERS AND STUDENTS AND RECIPIENTS OF DEGREES IN 1903 (pp. 13 to 55).

THE BOARD OF TRUSTEES AND ITS COMMITTEES.

THE FACULTY AT FAYETTEVILLE AND ITS COMMITTEES.

OFFICERS OF INSTRUCTION AND ADMINISTRATION.

STUDENTS IN THE UNIVERSITY:

- I. The College (of Liberal Arts, Sciences, and Engineering).
- II. The Preparatory School.
- III. The Conservatory of Music and Arts.
- IV. The Medical School.
- V. The Law School.
- VI. The Branch Normal College.

GENERAL SUMMARY OF STATISTICS.

DEGREES AWARDED IN 1902-1903.

PART II. THE UNIVERSITY AND ITS DEPARTMENTS (pp. 57 to 211).

ORIGIN, PURPOSE, AND LOCATION.

I. THE COLLEGE (of Liberal Arts, Sciences, and Engineering).

OFFICERS OF INSTRUCTION (with their Residences).

EQUIPMENT.

Buildings:

University Hall (with Directory).

Science Hall.

Engineering Hall.

Mechanical Hall.

Buchanan Hall.

New Dormitory.

Agricultural Buildings.

Horticultural Building.

University Library.

Laboratories:

Chemical Laboratory.

Physical Laboratory.

Biological Laboratory.

Geological Laboratory.

Mechanical Engineering Laboratory.

Electrical Engineering Laboratory.

Civil Engineering Laboratory.

Cement Laboratory.

Manual Training Rooms.

Drawing Room.

Physical Culture Room.

Armory.

Museum.

Athletic Field.

ADMISSION TO THE FRESHMAN CLASS.

General Regulations.

Requirements of all Candidates.

Requirements for Admission to the B. A., B. S., and Normal Courses.

Requirements for Admission to the Engineering Courses.

Examination Subjects.

Dates of Examinations.

Examinations outside of Fayetteville.

Admission by Certificate.
Admission to Advanced Standing.
Accredited Schools.
List of Accredited Schools.

GENERAL INFORMATION.

Selection of Courses of Study.
Number of Recitations.
Classification of Students
Special Students.
Term Examinations.
Appointment of Beneficiaries.
Expenses.
Student Labor.
Board for Young Men.
Board for Young Women.
Absences and Withdrawals.
Sale of Ardent Spirits Prohibited.
Science Club.
Engineering Club.
Literary Societies.
Prizes:
 Bryan Prize.
 Johnson Prize.
 Prize in the Garland Society.
 Prize in the Periclean Society.
Chapel Exercises.
Y. M. C. A.
Churches of Fayetteville, Pastors, and their Addresses.
Athletic Association.
Rules Governing Athletics.
Competitive Drill of Military Companies.
Cadet Officers for the Years 1903-1904.
Degrees.
Courses of Study Leading to the Various Collegiate Degrees.
Requirements for the Masters' Degrees.
Requirements for the Degrees of C. E., M. E., E. E., Ch. E.
Courses of Study Leading to Certificates.
Teachers' Non-Resident Courses.

Description of Collegiate Courses:

Ancient Languages.
English and Modern Languages.
Mathematics and Astronomy.
History and Political Science.
Economics and Sociology.
Chemistry and Physics.
Biology.
Geology and Mining.
Philosophy and Pedagogy.
Mechanical Engineering.
Civil Engineering.
Electrical Engineering.
Agriculture and Horticulture.
Military Science and Tactics.

II. THE PREPARATORY SCHOOL.

Instructors (with their Residences).
Purpose.
Requirements for Admission to the First Year Class.
Requirements for Admission to the Second Year Class.
Courses of Instruction.
Description of Courses.

III. THE CONSERVATORY OF MUSIC AND ARTS.

Officers of Instruction (with their Residences).
Purpose.
Special Advantages of Conservatory Instruction.
Recitals.
Chorus Work.
Orchestra.
Piano.
Organ.
Violin and other Stringed Instruments.
Band Instruments.
Voice Culture.
Harmony and Counterpoint.
History of Music.

Sight Reading.
Teachers' Course.
Course leading to the Degree of Mus. Bach.
Elocution and Physical Culture.
Art.
Fees.
Rules and Regulations.

IV. THE AGRICULTURAL EXPERIMENT STATION.

Staff.
Purpose.
Bulletins.

V. THE MEDICAL SCHOOL (Little Rock).

Faculty and other Instructors.
Twenty-sixth Annual Announcement.
Four Years' Graded Course.
Matriculation.
Curriculum.
Location.
Building.
Hospitals.
The Isaac Folsom Clinic.
Methods of Teaching.
Text-Books.
Expenses of Living in Little Rock.
Requirements for Graduation.
Fees.

VI. THE LAW SCHOOL (Little Rock).

Officers.
Faculty.
Lectures.
Purpose.
Course of Instruction.
Admission.
Text-Books.

Moot Courts.
Goar Lyceum.
Examinations.
Degrees.
Class Honors.
Advantages of Location.
Professional Ethics.
Admission to the Bar.
Tuition and Expenses.

VII. THE BRANCH NORMAL COLLEGE (Pine Bluff).

Instructors.
Calendar.
General Statement.
Location.
Admission Requirements.
Appointment of Beneficiaries.
Normal Department.
Classical Department.
Mechanical Department.
Dressmaking Department.
Typewriting and Stenography.
Miscellaneous Information.

PART III. ALUMNI OF THE UNIVERSITY (pp. 21 to 338).

Alumni of the College.
Alumni of the Medical School.
Alumni of the Law School.

1904

1905

JANUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JULY

S	M	T	W	T	F	S
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	...	...	...	...

FEBRUARY

...	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	...	...	...	...	...
...

AUGUST

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	...	...	...
...

FEBRUARY

...	...	...	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	...	...	...	...
...

MARCH

....	...	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	...	....
....

SEPTEMBER

....	....	....	...	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	....

MARCH

...	....	....	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	....

APRIL

....	....	..	....	....	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
....

OCTOBER

2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

APRIL

2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	....	...	....	....
....

NOVEMBER

....	....	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	....	....
...

MAY

...	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	....	....	....

JUNE

....	....	....	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	....	....
....

DECEMBER

....	....	....	....	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
....

JUNE

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

CALENDAR 1904-1905.

1904

Sept. 14, Wednesday—ACADEMIC YEAR BEGINS in all Departments at Fayetteville.

Sept. 14-17, Wednesday to Saturday—Examinations for admission to B. A., B. S., Engineering, Normal and Preparatory Courses.

Sept. 19, Monday—Fall Term begins in the Law School, Little Rock.

Oct. 17, Monday—Regular Session begins in the Medical School, Little Rock.

Nov. 24, Thursday—Thanksgiving Day—a holiday.

Dec. 23-30, Thursday, 3:25 p. m., to Wednesday, Inclusive—Vacation in all Departments at Fayetteville.

1905

Jan. 20, Friday—First Term Examinations begin in the Departments at Fayetteville.

Jan. 21, Saturday—Fall Term of Law School ends.

Jan. 23, Monday—Spring Term of Law School begins.

Jan. 28—First Term ends in all Departments at Fayetteville.

Jan. 30, Monday—Second Term begins in all Departments at Fayetteville.

Feb. 22, Wednesday—Washington's Birthday.

March 27, Monday—Thirty-fourth Anniversary of the Foundation of the University of Arkansas.

April 15, Saturday—Regular Session ends in the Medical School Little Rock.

May 1, Monday—Last Day for Receiving Essays for the William Jennings Bryan Prize.

May 30, Tuesday—Memorial Day—a holiday.

June 1, Thursday—Second Term Examinations begin in the Departments at Fayetteville.

June 2, Friday—Spring Term of Law School ends.

June 3, Saturday—Memorial Day—a holiday.

June 11, Sunday—Baccalaureate Sermon, U. of A. Chapel.

June 15, Thursday—COMMENCEMENT.

DEPARTMENTS OF THE UNIVERSITY.

The University comprehends the following departments:

At Fayetteville:

THE COLLEGE.

THE PREPARATORY SCHOOL.

THE CONSERVATORY OF MUSIC AND ARTS.

THE AGRICULTURAL EXPERIMENT STATION.

At Little Rock:

THE MEDICAL SCHOOL.

THE LAW SCHOOL.

At Pine Bluff:

THE BRANCH NORMAL COLLEGE.

PART I.

Officers and Students

AND

Recipients of Degrees.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS.

HIS EXCELLENCY, JEFFERSON DAVIS, Governor
of Arkansas Little Rock.

HON. G. T. BRECKINRIDGE First District.
Paragould.

HON. W. H. LANGFORD Second District.
Pine Bluff.

HON. C. C. HAMBY Third District.
Prescott.

HON. H. STROUP Fourth District.
Paris.

HON. J. C. MITCHELL Fifth District.
Fayetteville.

HON. J. C. SOUTH Sixth District.
Mountain Home.

OFFICERS AND COMMITTEES OF THE BOARD OF TRUSTEES.

Ex-Officio President.

GOVERNOR JEFFERSON DAVIS, Little Rock.

Secretary.

H. F. REAGAN, Fayetteville.

Treasurer.

DR. OTEY MILLER, Fayetteville.

Executive Committee.

GOVERNOR JEFFERSON DAVIS, *Chairman*.

W. H. LANGFORD. J. C. SOUTH. C. C. HAMBY.

On Finance.

J. C. MITCHELL. H. STROUP. G. T. BRECKINRIDGE.

On the Branch Normal College.

GOVERNOR DAVIS. C. C. HAMBY. W. H. LANGFORD.

On the Agricultural Department.

G. T. BRECKINRIDGE. J. C. SOUTH. C. C. HAMBY.

On the Mechanical Department.

C. C. HAMBY. J. C. MITCHELL. W. H. LANGFORD.

On Printing.

W. H. LANGFORD. C. C. HAMBY.

On Teachers.

C. C. HAMBY. J. C. MITCHELL. G. T. BRECKINRIDGE.
W. H. LANGFORD.

On Grounds and Buildings.

C. C. HAMBY. W. H. LANGFORD. G. T. BRECKINRIDGE.
HENRY S. HARTZOG.

BOARD OF CONTROL OF THE AGRICULTURAL EXPERIMENT
STATION.

Committee on the Agricultural Department, President of the
University, Director of the Station.

THE FACULTY.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.

President.

JOHN CLINTON FUTRALL, M. A.

GEORGE WESLEY DROKE, A. M.

JULIUS JAMES KNOCH, M. S., C. E.

WILLIAM NATHAN GLADSON, M. S., E. E., Ph. D.

ALBERT HOMER PURDUE, A. B.

CLIFFORD LEWIS NEWMAN, M. S.

FRANK WELBORN PICKEL, A. B., M. Sc.

ERNEST WALKER, B. S. Agr.

JOSEPH WILLIAM CARR, Ph. D.

WILLIAM SMYTHE JOHNSON, Ph. D.

JOHN HUGH REYNOLDS, A. M.

ANTHONY MOULTRIE MUCKENFUSS, Ph. D.

BURTON NEILL WILSON, B. Sc., M. E.

LANNING PARSONS (West Point), Captain U. S. A.

JAMES WYSE KUYKENDALL.

CHARLES HILLMAN BROUGH, Ph. D.

EDGAR FINLEY SHANNON, A. B.

BOLLING JAMES DUNN, A. M.

LEWIS HENRY ROSE.

PAUL SCHMOLCK.

COMMITTEES OF THE FACULTY.

The President of the University is ex-officio a member of all standing committees.

1. ON DISCIPLINE—Professors Rose, Gladson, and Pickel.
2. ON DOUBTFUL CASES—Professors Knoch, Reynolds, and Muck enfuss.
3. ON CLASSIFICATION AND PETITIONS—Professors Purdue, Shannon, Knoch, Gladson, Wilson, Kuykendall, and Schmolck.
4. ON ACCREDITED SCHOOLS—Professors Reynolds and Dunn.
5. ON THE LIBRARY—Professors Carr, Reynolds, and Purdue, and Miss Pace.
6. ON ATHLETICS—Professors Futrall and Newman.
7. ON THE CATALOGUE—Professors Carr, Futrall, and Knoch.
8. ON THE SCHEDULE—Professors Futrall, Purdue, and Gladson.
9. EMPLOYMENT BUREAU—Professors Johnson, Moore, Knoch, and Shannon.
10. ON PETITIONS IN THE MILITARY DEPARTMENT—Professors Dunn, Carr, Brough, and Parsons.
11. ON ENTERTAINMENTS—Professors Wilson, Brough, and Schmolck.
12. ON COMMENCEMENT—Professors Johnson, Droke, and Gladson.

OFFICERS OF INSTRUCTION.

THE COLLEGE.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.

**President.*

JOHN CLINTON FUTRALL, M. A.,

Professor of Ancient Languages.

GEORGE WESLEY DROKE, A. M.,

Professor of Mathematics and Astronomy.

JULIUS JAMES KNOCH, M. S., C. E.,

Professor of Civil Engineering.

WILLIAM NATHAN GLADSON, M. S., E. E., Ph. D.,

Professor of Electrical Engineering.

ALBERT HOMER PURDUE, A. B.,

Professor of Geology and Mining.

CLIFFORD LEWIS NEWMAN, M. S.

Professor of Agriculture.

FRANK WELBORN PICKEL, A. B., M. Sc.,

Professor of Biology.

ERNEST WALKER, B. S. Agr.,

Professor of Horticulture.

JOSEPH WILLIAM CARR, Ph. D.,

Professor of English and Modern Languages.

WILLIAM SMYTHE JOHNSON, Ph. D.,

Professor of Philosophy and Pedagogics.

*With the exception of the President the names are arranged in groups according to seniority of appointment to present rank.

JOHN HUGH REYNOLDS, A. M.,

Professor of History.

ANTHONY MOULTRIE MUCKENFUSS, Ph. D.,

Professor of Chemistry and Physics.

BURTON NEILL WILSON, B. Sc., M. E.,

Professor of Mechanical Engineering.

LANNING PARSONS (West Point), Captain U. S. A.,

Professor of Military Science and Tactics.

CHARLES HILLMAN BROUGH, Ph. D.,

Professor of Economics and Sociology.

EDGAR FINLEY SHANNON, B. A.,

Associate Professor of English and Modern Languages.

BOLLING JAMES DUNN, A. M.,

Associate Professor of Mathematics.

LEWIS HENRY ROSE,

Associate Professor of Chemistry and Physics.

HADGIE BOOKER DAVIES, A. B.,

Adjunct Professor of English and Modern Languages.

THEODORE CHARLES TREADWAY, B. E. E.,

Adjunct Professor of Mechanical Engineering.

WILLIAM ANDREW TREADWAY, B. M. E., E. E.,

Instructor in Electrical Engineering.

LEMUEL BERRY BRYAN, B. C. E.,

Instructor in Civil Engineering.

W. A. HARDING,

Machinist.

THE PREPARATORY SCHOOL.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.,
President.

JAMES WYSE KUYKENDALL, *Principal.*
Instructor in Mathematics.

GEORGE ALBERT COLE, A. M.,
Instructor in Mathematics.

EMMA WILMER COLE, A. B.,
Instructor in History and Latin.

MARY ANNE DAVIS,
Instructor in English and History.

ROZE EMMALINE BENNETT, A. M.,
Instructor in Mathematics and History.

MARY WHITFIELD VAULX,
Instructor in English.

ROBERT EDWARD PHILBECK, B. A.,
Instructor in Mathematics and Physiology.

NAOMI JOSEPHINE WILLIAMS, M. A.,
Instructor in Latin and History.

THE CONSERVATORY OF MUSIC AND ARTS.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.,
President.

PAUL SCHMOLCK, *Director.*
Piano, Theory and History of Music.

GERTRUDE CRAWFORD,
Voice Culture.

CLARA SCHRADER.

Violin, Mandolin and Guitar.

FRANK BARR,

Band Instruments.

MARTHA H. WHITE.

Elocution and Physical Culture.

AMMEE LEVERETT.

Art.

THE AGRICULTURAL EXPERIMENT STATION.

Fayetteville.

W. G. VINCENHELLER.

Director.

ROBERT R. DINWIDDIE, M. D.,

Pathologist and Bacteriologist.

CLIFFORD LEWIS NEWMAN, M. S.,

Agriculturist.

ERNEST WALKER, B. S. Agr.,

Horticulturist and Entomologist.

JOHN FRANKLIN MOORE, B. S.,

Chemist.

THE MEDICAL SCHOOL.

Little Rock.

HENRY SIMMS HARTZOG, LL. D., *President.*

JAMES A. DIBRELL, M. D.,

*Professor of General, Descriptive, and Surgical Anatomy, and
President of the Medical Faculty.*

EDWIN BENTLEY, M. D., U. S. A. (Retired),

Professor of the Principles and Practice of Surgery.

C. WATKINS, M. D.,

Professor of the Practice of Medicine.

JAMES H. LENOW, M. D.,

Professor of Diseases of Genito-Urinary Organs.

LOUIS R. STARK, M. D.,

Professor of Gynecology.

E. R. DIBRELL, M. D.,

*Professor of Physiology, Physical Diagnosis, and Clinical
Medicine.*

FRANK VINSONHALER, M. D.,

Professor of Ophthalmology and Otology.

T. N. ROBINSON, A. B., LL. B.,

Professor of Medical Chemistry and Toxicology.

W. H. MILLER, M. D.,

Professor of Obstetrics.

F. L. FRENCH, M. D.,

*Professor of Materia Medica, Therapeutics, Hygiene and
Botany, and Secretary of the Faculty.*

CARLE E. BENTLEY, M. D.,

Professor of Clinical Surgery and Dermatology.

JOHN R. DIBRELL, M. D.,

Professor of Surgical Pathology and Bacteriology.

- W. C. DUNAWAY, M. D.,
Demonstrator of Anatomy.
- E. E. MOSS, A. M., LL. B.,
Professor of Legal Medicine.
- J. W. JENKINS, M. D.,
Adjunct Professor of the Principles and Practice of Surgery.
- R. W. LINDSEY, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- C. E. WITT, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- H. C. STINSON, M. D.,
Lecturer and Clinical Instructor in the Diseases of the Nervous System.
- ANDERSON WATKINS, M. D.,
First Assistant Demonstrator of Anatomy.
- WRIGHT LINDSEY, M. D.,
Second Assistant Demonstrator of Anatomy.
- A. E. SWEATLAND, M. D.,
Third Assistant Demonstrator of Anatomy.
- S. P. VAUGHTER, M. D.,
Fourth Assistant Demonstrator of Anatomy.
- C. E. WITT, M. D.,
Assistant to the Chair of Materia Medica and Therapeutics.
- W. A. SNODGRASS, M. D.,
Assistant to the Chair of Gynecology.
- J. G. WATKINS, M. D.,
Assistant to the Chair of Otology and Ophthalmology.
- A. R. STOVER, M. D.,
Assistant to the Chair of Physiology and Clinical Medicine.
- ANDERSON WATKINS, M. D.,
Assistant to the Chair of Clinical Surgery and Dermatology.

THE LAW SCHOOL.

Little Rock.

HENRY SIMMS HARTZOG, LL. D., *President.*

THOMAS N. ROBERTSON, LL. B., *Secretary.*

J. H. CARMICHAEL, LL. B., *Dean.*
Contracts, Pleading and Practice.

JOHN FLETCHER, LL. M.,
Real Property.

GEORGE W. MURPHY, LL. B.,
Law of Evidence.

TOM M. MEHAFFY, LL. B.,
Criminal Law, Practice, and Procedure.

E. W. WINFIELD, LL. B.,
Judgments.

J. F. LOUGHBOROUGH, LL. B.,
Commercial Paper, Domestic Relations.

LEWIS RHOTON, LL. B.,
Law of Torts.

T. N. ROBERTSON, LL. B.,
Agency, Insurance.

T. E. HELM, LL. B.,
Partnership.

AUGUSTUS M. FULK, LL. B.,
Criminal Law, Practice, and Procedure.

Lecturers.

U. S. SENATOR JAMES P. CLARKE, LL. B.

JUDGE JACOB TRIEBER, LL. B.

HON. MORRIS M. COHN, LL. B.

HON. GEORGE B. ROSE, LL. B.

HON. JAMES H. HARROD, LL. B.

BRANCH NORMAL COLLEGE.

Pine Bluff.

ISAAC FISHER, *Principal.*

Psychology, Ethics and Pedagogy.

JOHN H. MICHAEL,

Mathematics, English and Science.

WILLIAM B. CRITTENDEN,

Ancient and Modern Languages, and Mathematics.

JULIA O. WRIGHT,

Geography, Arithmetic, History and Typewriting.

SADIE M. PEEBLES,

Arithmetic, History and Free-hand Drawing.

IRENA V. COLEMAN, L. I.,

Arithmetic, Algebra and History.

MATTIE I. BENSON,

Dressmaking and Music.

B. N. WILSON, B. Sc., M. E.,

Superintendent of Mechanic Arts.

W. S. HARRIS,

Assistant Superintendent of Mechanic Arts.

J. L. ROSS,

Instructor in Machine and Forge Shops.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY OF ARKANSAS.

President: Henry Simms Hartzog, LL. D., office, 1 University Hall, Fayetteville.

Treasurer: Otey Miller, M. D., Fayetteville.

Secretary of the Board of Trustees: H. F. Reagan, Fayetteville.

Secretary of the College Faculty: J. C. Futrall, A. M., 20 University Hall, Fayetteville.

Recorder of the College Faculty: (1903-1904) A. H. Purdue, A. B., 39 University Hall, Fayetteville.

Curator of the Museum: A. H. Purdue, A. B., 39 University Hall, Fayetteville.

Superintendent of Agriculture: Clifford Lewis Newman, M. S., Agricultural Experiment Station, Fayetteville.

Superintendent of Mechanic Arts: Burton Neill Wilson, B. Sc., M. E., 35 University Hall, Fayetteville.

Commandant: Lanning Parsons (West Point), Captain U. S. A., University Hall.

Librarian: Miss Ada Pace, 22 University Hall.

Assistant Superintendent of Mechanic Arts: Theodore Charles Treadway, B. E. E., 28 University Hall.

Secretary to the President: I. C. Carson, 2 University Hall, Fayetteville.

Superintendent of Dormitories: Mrs. Fannie Washington, New Dormitory, Fayetteville.

Principal of the Preparatory School: James Wyse Kuykendall, 13 University Hall, Fayetteville.

Director of the Conservatory of Music and Arts: Paul Schmolck, 26 University Hall, Fayetteville.

Director of the Agricultural Experiment Station: W. G. Vincenheller, Fayetteville.

President of the Medical Faculty: James A. Dibrell, M. D., Little Rock.

Secretary of the Medical Faculty: F. L. French, M. D., Little Rock.

Dean of the Law Faculty: J. H. Carmichael, LL. B., Little Rock.

Secretary of the Law Faculty: T. N. Robertson, LL. B., Little Rock.

Principal of the Branch Normal College: Isaac Fisher, Pine Bluff.

REGISTER OF STUDENTS.

THE COLLEGE.

Abbreviations.—B. A., Bachelor of Arts; B. S., Bachelor of Science; B. M. E., Bachelor of Mechanical Engineering; B. E. E., Bachelor of Electrical Engineering; B. C. E., Bachelor of Civil Engineering; B. Mi. E., Bachelor of Mining Engineering; M. A., Master of Arts; M. S., Master of Science; Mus. Bach., Bachelor of Music; L. I., Licentiate of Instruction.

Graduates.

Name	Course	Postoffice	County
Baxter, John Willard, B. A., B. S., 1902.....	M. A.	Fayetteville . . .	Washington
Steele, Asa George, B. S., 1901. University of Missouri	M. S.	Rogers	Benton
Sutton, Mabel, B. A., 1902	M. A.	Fayetteville . . .	Washington

Seniors.

Abercrombie, James Scott	B. A.	Bryant	Saline
Blanchard, Fay Holbrook	B. A.	Fayetteville . . .	Washington
Bloom, John Rhine	B. E. E.	Pine Bluff	Jefferson
Burney, Margaret Sue	B. A.	Osage	Carroll
Chapple, Earl White	B. E. E.	Little Rock	Pulaski
Cook, Larue Jean	B. A.	Texarkana	Miller
Davies, Mary Louise	B. A.	Fayetteville . . .	Washington
Droke, Marvin Josephine	B. A.	Fayetteville . . .	Washington
Harding, Arthur McCracken ..	B. A.	Fayetteville . . .	Washington
Jefferies, Samuel Smith	B. A.	Clarendon	Monroe
Knott, Virgil Proctor	B. C. E.	Bentonville	Benton
Langford, Bertram William ...	B. A.	Pine Bluff	Jefferson
Leverett, Edward Vaulx ...	B. M. E.	Fayetteville . . .	Washington
McAlester, Edward William.	B. E. E.	McAlester	Ind. Ter.
McCrary, Edgar Ware.....	B. C. E.	Nashville	Howard
Milum, Ray Wamon.....	B. A., B. S.	Lead Hill	Boone
Morrow, Hugh Ellis	B. S.	Fayetteville . . .	Washington

Name	Course	Postoffice	County
Mullins, George Walker.....	B. A.	Fayetteville . . .	Washington
Nelson, Rufus Jerry	B. S.	De Queen	Sevier
Phillips, Charles Oliver	B. A.	Fayetteville . . .	Washington
Pratt, Fletcher Howard	B. C. E.	Fayetteville . . .	Washington
Quarles, Tevis Randolph ...	B. M. E.	Fayetteville . . .	Washington
Ragland, Henry Sparr	B. C. E.	Fayetteville . . .	Washington
Risser, Thomas Scott	B. E. E.	Fayetteville . . .	Washington
Rutherford, Thomas Egbert ...	B. A.	Hot Springs	Garland
Shellenberger, Alice	B. A.	Fayetteville . . .	Washington
Stanford, Albert Franklin ..	B. C. E.	Fayetteville . . .	Washington
Stone, Benjamin Hicks	B. A.	Fayetteville . . .	Washington
Swearingen, Samuel Conrad ..	B. A.	Lee's Creek	Crawford
Vaulx, Eleanor	B. A.	Fayetteville . . .	Washington
Walker, James Walter	B. A.	Hindsville	Madison
Williams, Charles X.	B. A.	Chismville	Logan
Wilson, John Rufus	B. A.	Warren	Bradley
Wilson, William Oscar	B. A.	Cabot	Lonoke
Wood, Charles Fox.....	B. C. E.	Fort Smith	Sebastian

Juniors.

Abercrombie, Bertha	B. A.	Pactolus	Benton
Austin, Robert Edward Lee...	B. A.	Fayetteville . . .	Washington
Beard, Abner Hamilton	B. C. E.	Wynne	Cross
Carothers, Neil	B. A.	Fayetteville . . .	Washington
Carter, Edward LeRoy	B. A.	St. Paul	Madison
Chapman, Johnson	B. C. E.	Lake Village	Chicot
Cole, Mary	B. A.	Stillwell	Okla. Ter.
Cromwell, Charles W.....	B. C. E.	Fort Smith	Sebastian
Croom, Cleveland W.	B. A.	Dardanelle	Yell
Davis, John Benjamin	B. S.	Chelsea	Ind. Ter.
Dickinson, William Emmett ...	B. S.	Horatio	Sevier
Evins, Sallie D.....	B. A.	Fayetteville . . .	Washington
Grubbs, John Monroe	B. A.	Eddy	Drew
Harrington, Roby	B. A.	Helena	Phillips
Hudgins, Jay Guy	B. A.	Fayetteville . . .	Washington
Hurst, George Abner	B. A.	Fayetteville . . .	Washington
Irby, Alvin Stull	B. A.	Black Rock	Lawrence

Name	Course	Postoffice	County
Jackson, Bruen Overton	B. A.	Hamburg	Ashley
James, John John	B. A.	Fayetteville	Washington
Jones, Coulter W.	B. S.	Lono	Hot Spring
Jordan, Grace	B. A.	Fayetteville	Washington
Kitchens, Benton Mackie	B. A.	Paragould	Greene
Kunz, Elmer Huett	B. A.	Fayetteville	Washington
Legate, Ray H.	B. S.	Mena	Polk
Maguire, Eva Josephine	B. A.	Fayetteville	Washington
McGehee, Ben	B. C. E.	Little Rock	Pulaski
Morrow, Donald B.	B. E. E.	Booneville	Logan
Olney, Lee S.	B. E. E.	Mena	Polk
Pope, Norman Percy	B. Mi. E.	Monticello	Drew
Pratt, Darwin Hippolyte (B. C. E., Sophomore)	B. S.	Fayetteville	Washington
Reves, Claude Myrtle	B. A.	Alma	Crawford
Steele, John Pey	B. E. E.	Prescott	Nevada
Van Valkenburgh, Horace Bulle	B. S.	Warren	Bradley
Wade, Ruby Clare	B. A.	Mt. Vernon	Iowa
Webb, Charles Wallace	B. S.	Texarkana	Miller
Williams, Beulah	B. A.	Fayetteville	Washington

Sophomores.

Allbright, Augustus Garland	B. A.	Jonesboro	Craighead
Andrix, Earle R.	B. E. E.	Bentonville	Benton
Austin, Hamilton Livingstone	B. C. E.	Van Buren	Crawford
Ballard, Ben Calvin	B. A.	Durham	Washington
Barrett, Frank Brown	B. C. E.	Jonesboro	Craighead
Beauchamp, John Lee	B. C. E.	Fayetteville	Washington
Black, Clarence Neelly	B. C. E.	Hope	Hempstead
Blackshire, Paul Leslie	B. C. E.	Crockett	Clay
Blair, Leora L.	L. I.	Van Buren	Crawford
Booker, Paul Robert	B. C. E.	Texarkana	Miller
Borders, John Mallory	B. C. E.	Fayetteville	Washington
Brockman, Edward Wilson	B. S.	Garnett	Lincoln
Brunskog, Carl Waldemar	B. C. E.	Bentonville	Benton
Euford, Charles Homer	B. S.	Newport	Jackson

Name	Course	Postoffice	County
Campbell, Lonnie Lee.....	B. A.	Newport	Jackson
Carpenter, Sam	B. C. E.	Arkadelphia	Clark
Carr, Wallace Bradbury	B. E. E.	Quincy	Massachusetts
Clark, Lula McDonald	B. S.	Mena	Polk
Collins, Thomas Abe	B. A.	De Queen	Sevier
Combs, Walter	B. C. E.	Mountain Home	Baxter
Cooke, Charles Maynard . . .	B. C. E.	Fort Smith	Sebastian
Craig, Percy Gaines	B. A.	Little Rock	Pulaski
Dalton, Charles E.	B. E. E.	Fayetteville	Washington
DeLoney, Ernest Drease	B. A.	Hope	Hempstead
Dickinson, Horace Jewell.....	B. A.	Kingsland	Cleveland
Eason, Alcuin Pitt	B. C. E.	Fayetteville	Washington
Ethridge, Frank Rice	B. C. E.	Hope	Hempstead
Feild, William Terry.....	B. M. E.	Little Rock	Pulaski
Forman, Charles Doss	B. S.	Chelsea	Ind. Ter.
Gardner, Joseph Watt	B. A.	Salem	Fulton
Gorman, Henry Franklin P..	B. E. E.	Forrest City	St. Francis
Gray, Bertha F.	L. I.	Batesville. . . .	Independence
Gray, Justin	B. A.	Batesville. . . .	Independence
Harding, Charles Tomlinson.	B. C. E.	Fayetteville	Washington
Harris, Joseph Sumpter	B. A.	Monticello	Drew
Harvey, Ben.....	B. S.	Douglas	Lincoln
Harvey, Homer Alvan	B. E. E.	Elk City	Kansas
Hathcoat, Marvin Arthur	B. A.	Bellefonte	Boone
Holland, Wyatt Cleveland	B. S.	Greenwood	Sebastian
Howard, Albert Socrates	B. S.	Ellsworth	Logan
Hunt, Harry Gilliam	B. A.	Walnut Ridge	Lawrence
Ingersoll, William Henry	B. A.	Perryville	Perry
Jacks, Martin Edwards....	B. M. E.	Marianna	Lee
Maloney, James William	B. A.	Jonesboro	Craighead
Martin, Guy Rutledge.....	B. C. E.	Powhattan	Lawrence
Mashburn, Ernest Eugene . .	B. C. E.	Melbourne	Izard
McCrary, Grover Garland . . .	B. C. E.	McCrary	Woodruff
McMurry, Harry Martin....	B. C. E.	Luna Landing	Chicot
Mitchell, Brainerd	B. M. E.	Fayetteville	Washington
Mitchell, John Lucien	B. C. E.	Fayetteville	Washington
Mullins, Thomas Clinton . . .	B. C. E.	Fayetteville	Washington

Name	Course	Postoffice	County
Oates, Charles Everette	L. I.	Martinville	Conway
Payne, Brodie	B. A.	Hot Springs	Garland
Pharr, Will Rison	B. C. E.	Marianna	Lee
Pope, Arthur D.	B. S.	Taylor	Columbia
Powell, Howard E.	B. E. E.	Prescott	Nevada
Pruett, Grover Cleveland ...	B. C. E.	Denning	Franklin
Pruett, John Riley	B. C. E.	Denning	Franklin
Reagan, Zenas Lytton	B. C. E.	Fayetteville . . .	Washington
Redding, Albert	B. A.	Harrison	Boone
Rhea, William Harris	B. E. E.	Fayetteville . . .	Washington
Rowe, Prentiss Eldon	B. S.	Greenwood	Sebastian
Sadler, Daniel Kenard	B. A.	Booneville	Logan
Schicker, E. Barnes	B. E. E.	Camden	Ouachita
Schimmelpfennig, Charles William..	B. C. E.	Little Rock	Pulaski
Sengel, Jerome	B. C. E.	Fort Smith	Sebastian
Stanford, James Butt	B. S.	Fayetteville . . .	Washington
Stewart, Sanford	B. A.	Magnolia	Columbia
Stockton, Irene Grame	B. A.	Little Rock	Pulaski
Stone, James Hicks.....	B. C. E.	Fayetteville . . .	Washington
Taber, Harry Breck	B. A.	Little Rock	Pulaski
Thompson, Albert S.	L. I.	Fayetteville . . .	Washington
Weber, Louis William	B. A.	Hindsville	Madison
Wilson, Constance Perkins	B. A.	Fort Smith	Sebastian
Winters, Winston Lee	B. C. E.	Fort Smith	Sebastian

Freshmen.

Akins, John Walker.....	B. S.	McKinney	Texas
Allen, Annie Mary.....	L. I.	Fayetteville . . .	Washington
Baker, Grover Cleveland ...	B. E. E.	Fayetteville . . .	Washington
Balch, Coleridge Paine	B. A.	Hollywood	Clark
Ballard, Jerrod.....	B. A.	Durham	Washington
Barrett, Reuben	B. S.	Jonesboro	Craighead
Bennett, Charles Galloway..	B. M. E.	Batesville	Independence
Benson, Frederick Preston..	B. E. E.	Camden	Ouachita
Blair, Daniel Baxter	B. C. E.	Decatur	Benton
Blakely, Rupert Mitchum	B. A.	Coal Hill	Johnson

Name	Course	Postoffice	County
Blakemore, Thomas Lester . . .	B. A.	Uniontown	Crawford
Bohart, Allen G. Thurman . . .	B. A.	Fayetteville . . .	Washington
Bowles, Ashley P.	B. A.	Fayetteville . . .	Washington
Bolinger, Walter Allen	B. A.	Lead Hill	Boone
Bryant, William Cullen	B. S.	Nashville	Howard
Butler, James Oscar	B. C. E.	Prairie Grove . .	Washington
Cantwell, Haiden Curd	B. E. E.	Milan	Tennessee
Carter, Hugh R.	B. C. E.	Fayetteville . . .	Washington
Cheatham, Wilbur Richardson . .	B. A.	Princeton	Dallas
Chitwood, Russell Garfield . . .	B. A.	Dardanelle	Yell
Cleveland, George Weber . . .	B. M. E.	Fayetteville . . .	Washington
Coker, Adam	B. C. E.	Lead Hill	Boone
Coker, Roy	B. C. E.	Lead Hill	Boone
Cook, Flippin Martin	B. A.	Texarkana	Miller
Cook, Ira	B. M. E.	Fayetteville . . .	Washington
Cotham, Robert Bruce	B. A.	Monticello	Drew
Craig, Marion Starr	B. A.	Jamestown . . .	Independence
Crouch, Paul Monford	B. E. E.	Texarkana	Miller
Crozier, Ruth Margaret	B. A.	Fayetteville . . .	Washington
Dacus, Ira L.	B. C. E.	Fayetteville . . .	Washington
Davies, Samuel Green	B. C. E.	Fayetteville . . .	Washington
Davis, Carl Gay	B. A.	Fayetteville . . .	Washington
Davis, Lyta	B. A.	Fayetteville . . .	Washington
Davis, Walter	B. C. E.	Batesville	Independence
Deane, Ruth Elizabeth	L. I.	Fayetteville . . .	Washington
Deane, Sydney E.	B. C. E.	Fayetteville . . .	Washington
Dickson, Enos Howell	B. E. E.	Desha	Independence
Droke, Mary Inez	B. A.	Fayetteville . . .	Washington
Dunn, Ralph Knox	B. A.	Fayetteville . . .	Washington
Dutton, Roy	B. S.	Newport	Jackson
Elkins, Everett Martin	B. E. E.	Magazine	Logan
Fraser, Dewitt Clinton	B. S.	Monette	Craighead
Friedell, Julian Dupree	B. C. E.	Texarkana	Miller
Fry, Joseph Elmer	B. C. E.	Cedarville	Crawford
Fulks, Webster Raleigh	B. A.	Pauline	Franklin
Gammill, Geneva	B. A.	Wetumka	Ind. Ter.
Garrett, Forrest Agrippa	B. A.	So. McAlester	Ind. Ter.

Name	Course	Postoffice	County
Gatling, Richard Jordan	B. S.	Bearden	Ouachita
Grace, George	B. C. E.	So. McAlester	Ind. Ter.
Green, Henry L.	B. E. E.	Searcy	White
Gregg, Alfred Welch	B. S.	Fayetteville	Washington
Harding, Vernon Alexander	B. E. E.	Fayetteville	Washington
Harkey, Roscoe Lehigh	B. S.	Ola	Yell
Harrod, John Quincy Adams	B. A.	Cascade	Faulkner
Haskell, Lucie Pomeroy	B. A.	Fayetteville	Washington
Hastings, James Neill	B. A.	Jonesboro	Craighead
Hillman, Charles Clark	B. A.	Almyra	Arkansas
Hughes, Leslie Claire	B. S.	Fayetteville	Washington
Hurst, John H.	B. E. E.	Clarendon	Monroe
Hurt, Garland	B. E. E.	Newport	Jackson
Hutchinson, Frederick McAlpine	B. C. E.	Nashville	Howard
Hyatt, Robert Fee	B. A.	Monticello	Drew
Ingram, Cecil	B. E. E.	Lavaca	Sebastian
Johnson, Mabel Claire	B. A.	Fayetteville	Washington
Johnston, James Henry	B. S.	Auvergne	Jackson
Jordan, Edna Garlington	B. A.	Fayetteville	Washington
Jordan, Emmett	B. M. E.	Lockesburg	Sevier
Keener, Joseph Lafayette	B. A.	Minnie	Howard
Key, Kerr Cosby	L. I.	Fayetteville	Washington
Kilgore, James Olley	B. C. E.	Fayetteville	Washington
King, James Berry	B. C. E.	Harrison	Boone
Lefler, George Filmore	B. S.	Scotland	Van Buren
Lemoyne, Morand Walton	B. C. E.	Dardanelle	Yell
Lester, Herman L.	B. C. E.	New Lewisville	Lafayette
Loman, Eugene Meyer	B. C. E.	Lonoke	Lonoke
Magoffin, Eben	B. Mi. E.	Duluth	Minnesota
Mahony, Joseph Kirby	B. A.	El Dorado	Union
McCullough, Dodridge	B. A.	Marianna	Lee
McKinney, (Miss) Charlie	L. I.	Bellefonte	Boone
McVay, George Alfred	B. E. E.	Paris	Logan
Meadors, Mamie Edyth	B. A.	Fayetteville	Washington
Mercer, Charles Franklin	B. C. E.	Dermott	Chicot

317BS

Name	Course	Postoffice	County
Mitchell, Nolan Dickson . . .	B. C. E.	Greenway	Clay
Mitchell, Owen Cecil	B. S.	Fayetteville . . .	Washington
Mock, Thomas Jefferson D. P. .	B. E. E.	Fayetteville . . .	Washington
Morgan, William Sydney	B. A.	Chickalah	Yell
Morley, Arthur	B. C. E.	Fayetteville . . .	Washington
Murphy, Clifton R. B.	B. C. E.	Pine Bluff	Jefferson
Murphy, John William	B. E. E.	Onanale	Texas
Newsom, Eugene	B. S.	Paragould	Greene
Norman, Olivia	L. I.	Fayetteville . . .	Washington
Orr, Milan Kenard	B. M. E.	Little Rock	Pulaski
Parker, Arthur Clarence . . .	B. E. E.	Paris	Logan
Pearson, Hubert Sylvester . .	B. C. E.	Rhea	Washington
Phillips, Roberta Grace	L. I.	Fayetteville . . .	Washington
Poole, George	B. E. E.	Cincinnati	Washington
Pope, Jacob George	B. C. E.	Taylor	Columbia
Poynor, Francis Quitman	B. A.	Clarksville	Johnson
Pye, George P.	B. A.	Sweet Home	Pulaski
Reed, Kenneth Abram	B. E. E.	Gregory	Woodruff
Reinberger, Maurice Lee	B. A.	Pine Bluff	Jefferson
Rhyne, James R.	B. C. E.	Ben Lomond	Sevier
Rice, Walter B.	B. E. E.	Brightwater	Benton
Risser, Elizabeth Inez	B. A.	Fayetteville . . .	Washington
Rodgers, William Fanna . . .	B. C. E.	Pottsville	Pope
Ross, James Edgar	B. C. E.	Cane Hill	Washington
Ross, James Harvey	B. M. E.	Cane Hill	Washington
Ruff, David Henry	B. A.	Dover	Pope
Sanders, Lucy Edna	B. A.	Fayetteville . . .	Washington
Shore, Rena Buchanan	B. A.	Fayetteville . . .	Washington
Sivley, George Murphy	L. I.	Ellsworth	Logan
Smilie, Robert Percy	B. C. E.	Leslie	Searcy
Smith, Elmer Clifton	B. C. E.	Sydney	Sharp
Snell, Virgil Kleabor	B. C. E.	Gathers	Boone
Spradlin, Bruce A.	L. I.	Franklin	Izard
Stanley, Joseph H.	B. A.	Augusta	Woodruff
Stelzner, William Boyd . . .	B. E. E.	Anadarko	Okla. Ter.
Thomas, Louise	B. A.	Clarendon	Monroe
Tidball, Nell	B. A.	Baldwin	Washington

Name	Course	Postoffice	County
Tillman, Fred Allan.....	B. A.	Fayetteville . . .	Washington
Tillman, John Wallace	B. A.	Fayetteville . . .	Washington
Trigg, John Walter	B. M. E.	Texarkana	Miller
Trigg, Thomas Edward	B. A.	Texarkana	Miller
Tucker, Marshall Ernest	B. A.	Magazine	Logan
Tyson, William Claud	B. C. E.	Buena Vista	Ouachita
Umbaugh, Ollie Laura	B. A.	Springdale	Washington
Van Valkenburgh, William Moore	B. E. E.	Warren	Bradley
Veazy, Norman Everett	B. C. E.	Dardanelle	Yell
Watson, John Thomas	B. C. E.	Little Rock	Pulaski
Webster, William Vashni . . .	B. C. E.	Siloam Springs	Benton
Wilkinson, David Homer	B. S.	Fayetteville . . .	Washington
Williams, Donna Ernestine . . .	B. A.	Fayetteville . . .	Washington
Williams, James Henry	B. A.	Marianna	Lee
Wilson, James Melvin	B. S.	Evening Shade	Sharp
Witt, Earl	B. A.	Mount Ida	Montgomery
Wood, Harry Kincaid	B. A.	Searcy	White
Worthington, Hall Vincent .	B. C. E.	Harrison	Boone
York, Joseph Othel	B. A.	Bellefonte	Boone
Young, George W.	B. E. E.	Clarendon	Monroe

Specials.

Albright, Ella	Barren Fork	Izard
Beard, Scott Oscar	Palestine	St. Francis
Berry, Fred Hugh	Bentonville	Benton
Carson, Ira Cromley	Johnston	So. Carolina
Castleberry, Benjamin Rex	Salem	Faulkner
Cox, Mattie	Fayetteville . . .	Washington
Dickinson, William Wallace	Little Rock	Pulaski
Florence, Thomas Lee	Greenwood	Sebastian
Forrest, Daisy E.	Huntsville	Madison
Gray, Stella	Batesville	Independence
Hanley, Sylvanus Phillips	Helena	Phillips
Harvey, Frank P.	Lake Village	Chicot
Henderson, Clay Sloan	Imboden	Lawrence
Hill, John William	Cotton Plant	Woodruff
Holland, Robert Chester	Greenwood	Sebastian

Name	Postoffice	County
Hutcherson, Lillian Kathleen.....	Fayetteville . . .	Washington
Johnson, Arthur Joe	Garnett	Lincoln
Koenigsbruck, Martha M.	Fayetteville . . .	Washington
Lannan, Dennis Edman	Odell	Illinois
Mackey, Lura	Fayetteville . . .	Washington
Mahony, Ferry O.	El Dorado	Union
Mesler, Rector Dural	Fayetteville . . .	Washington
Moore, Henrietta	Cincinnati	Washington
Moore, Jesse Warren	Arkadelphia	Clark
Morgan, Mary Louise	Indianapolis	Indiana
Nordmeyer, Charles Dudley	Fayetteville . . .	Washington
Pfeifer, James J.	Little Rock	Pulaski
Prall, George Virgil	Jonesboro	Craighead
Pratt, C. L.	Fayetteville . . .	Washington
Ross, Jewell	Fayetteville . . .	Washington
Sanders, Eunice Ethlyn	Fayetteville . . .	Washington
Seamans, Pinckney Samuel	Dermott	Chicot
Shook, Sarah	Sulphur City	Washington
Smith, Charles Edgar	Marion	Crittenden
Smith, Rey	Wagoner	Ind. Ter.
Sneed, Albert Lee	Fayetteville . . .	Washington
Solomon, Henry	Helena	Phillips
Squier, Elizabeth	Eureka Springs	Carroll
Stanley, Thomas Edward	Augusta	Woodruff
Watkins, Guy	Columbia	Missouri
Watkins, James Samuel	Waldo	Columbia
Watkins, Thomas Allen	Searcy	White
Webster, Fay	Marvell	Phillips
Whitehead, Alexander Dixon	Taylor	Lafayette
Wood, Clark	Paris	Logan

Short Course in Mechanical Engineering.

Block, David	Vanndale	Cross
Burkey, Henry	Fayetteville . . .	Washington
Catts, Edwin Campbell	Washington	Hempstead
Chase, Guy Edwin	Fort Smith	Sebastian
Mackey, Dudley Earle	Fayetteville . . .	Washington
Shivel, Otto Lee	Galena	Kansas

Short Course in Electrical Engineering.

Name	Postoffice	County
Bennett, Elmo James	Paris	Logan
Boazman, Alexander Walthall	Augusta	Woodruff
Byrne, Lloyd Randolph	Luna Landing	Chicot
Cox, Howard Harrilton	Lamar	Johnson
Hooper, Edward Kenneth	Fayetteville	Washington
Kantz, Frederick	Fayetteville	Washington
Lowe, Clinton	Vineyard	Lee
Marre, Angelo	Little Rock	Pulaski
Martin, Reginald Albert	Wynne	Cross
Martin, Samuel F.	Chicago	Illinois
McCloud, Benjamin J.	Winslow	Washington
McCloud, William D.	Winslow	Washington
McDermott, Ben	Dermott	Chicot
McKean, Doyert Felix	De Queen	Sevier
McKennon, Basil Clement	Clarksville	Johnson
McPhetridge, James	Mena	Polk
Milner, Duffer Jackson	Milner	Columbia
Murph, Doland Hugh	Smackover	Union
Myers, Joseph Cleveland	Helena	Phillips
Plummer, James Robert	Huntsville	Madison
Portis, Frank G.	Tomberlin	Lonoke
Portnall, James Roy	Fayetteville	Washington
Pritchard, Virgil Felter	Fayetteville	Washington
Ritchie, Paul Jett	Gregory	Woodruff
Russell, Festus	Bellefonte	Boone
Russell, George Clinton	Joella	Lafayette
Shultz, Howard Lee	Fayetteville	Washington
Sowell, M. D.	Durant	Ind. Ter.
Wheeler, Samuel B.	Rhea	Washington
Williams, Roy Welch	Fayetteville	Washington
Wilson, Frank	Fayetteville	Washington

THE CONSERVATORY OF MUSIC AND ARTS.

Note.—The following list contains the names of those conservatory students only whose major subject is taught in the Conservatory of Music and Arts.*

Name	Course	Postoffice	County
Berry, Ethel	Music.	Springdale	Washington
Davis, Barbara Claire	Music.	Fayetteville . . .	Washington
Davis, Effie	Music.	Jasper	Newton
Gallaway, Margaret B.	Music.	Fayetteville . . .	Washington
Garner, Imogen	Music.	London	Pope
Gladson, Hazel ...	Physical Culture.	Fayetteville . . .	Washington
Gregg, Sara Edna † ...	Music.	Fayetteville . . .	Washington
Hamilton, Eileen Kathleen...	Music.	Fayetteville . . .	Washington
Harvey, Annette Halliday	Art.	Tinda	Benton
Henson, Birdie M.	Music.	Fayetteville . . .	Washington
Hight, Stella	Music.	Fayetteville . . .	Washington
Hudgins, Bess M.	Music	Fayetteville . . .	Washington
Johnson, Lucy Ethel	Music.	Harrison	Boone
King, Vera	Music.	Fayetteville . . .	Washington
Lackey, Minnie	Music.	Fayetteville . . .	Washington
Lake, Margaret Eleanor	Music.	Pawnee	Okla. Ter.
McCartney, Jessie Love	Music.	Fayetteville . . .	Washington
McMillan, Della Madeline....	Music.	Fayetteville . . .	Washington
Manning, Irene	Music.	Clarendon	Monroe
Mitchell, Sybil Aubrey	Art.	Fayetteville . . .	Washington
Neelly, Marie Helen	Music.	Fayetteville . . .	Washington
Short, Isabelle	Music.	Fayetteville . . .	Washington
Stone, Alice Mary	Music.	Fayetteville . . .	Washington
Stone, Francis Rhea	Music.	Fayetteville . . .	Washington

*In 1903-1904 the Conservatory of Music and Arts enrolled 394 students in the following courses: Piano, 35; Harmony and History of Music, 7; Voice Culture, 21; Elocution and Oratory, 105; Gymnasium, 109; Physical Culture, 95; Art, 22.

†Candidate for the degree of Mus. Bach.

THE PREPARATORY SCHOOL.

Abbreviations.—A., Arts Course, leading to B. A. Course; S., Science Course, leading to B. S. Course; E., Engineering Course, leading to the Mechanical, Civil and Electrical Courses; T., Teachers' Course, Sp., Special Course; C., Course in Conservatory of Music and Arts.

Second Year Class.

Name	Course	Postoffice	County
Abercrombie, Clara Dell	S.	Pactolus	Benton
Abercrombie, Margaret E.	A.	Bryant	Saline
Albertson, Mabel L.	C.	Fayetteville	Washington
Albertson, Maurice M.	E.	Fayetteville	Washington
Allen, Luther H.	E.	Gravett	Benton
Barrett, Lou Ela	A.	Jonesboro	Craighead
Barry, Lucile Lelia	C.	Fayetteville	Washington
Belknap, Rosseau Joel	E.	Sulphur Springs	Benton
Bell, James Walton	E.	Fayetteville	Washington
Bennett, Elijah Dee	A.	Buffalo Lick	Poinsett
Bishop, James Malloy	E.	Fayetteville	Washington
Blair, Herbert Harland	S.	Brown	Logan
Boggs, James Franklin	A.	Rose Bud	White
Brough, Ruth	A.	Fayetteville	Washington
Brownfield, Eleanor	T.	Fayetteville	Washington
Bryant, John Arthur	A.	Fayetteville	Washington
Bryant, Roy Blake	E.	Nashville	Howard
Cabe, Robert Lewis	T.	Burks	Saline
Cantrell, Troy R.	A.	Lead Hill	Boone
Cazort, Ralph	S.	Fayetteville	Washington
Chandler, James Ewing	E.	Fayetteville	Washington
Coats, Lonnie Nunnely	A.	Wilton	Little River
Collier, Lester	E.	Tupelo	Jackson
Combs, Jasper Newton	E.	Mountain Home	Baxter
Comstock, Gratis Monroe	E.	Uniontown	Crawford
Comstock, Kennie W.	A.	Uniontown	Crawford
Conwell, Rex	E.	Paragould	Greene
Cook, R. Wallace	E.	Fayetteville	Washington
Dacus, Erma	A.	Alpha	Yell

Name	Course	Postoffice	County
Davidson, D. Frank	A.	Stella	Izard
Davis, Arthur Charles	A.	Fayetteville	Washington
Davis, Okey	E.	St. James	Stone
Deaver, James Frank	A.	Springdale	Washington
Dinsmore, Hamilton Atwood	A.	Fayetteville	Washington
Dumas, Calvin Rhem	A.	El Dorado	Union
Eason, Tom	E.	Fayetteville	Washington
Ellis, Oscar Ferguson	E.	Fayetteville	Washington
Feathers, John Edward	E.	Fayetteville	Washington
Ferguson, Thomas Moody	S.	Booneville	Logan
Ford, David Lane	A.	Webb City	Franklin
Frost, Claud Walker	E.	Habberton	Washington
Fry, Rayburn Henry	A.	Atkins	Pope
Gaines, Clara Cornelia	C.	Waldron	Scott
Gean, Houston	E.	Darysaw	Grant
Glover, William Haworth	E.	Little Rock	Pulaski
Grant, James R.	T.	Dover	Pope
Gray, Albert	A.	Batesville	Independence
Grayson, Harry C.	E.	Paragould	Greene
Greathouse, Ollie May	A.	Johnson	Washington
Grundy, Archibald Marshal	E.	Fayetteville	Washington
Grundy, Edmond Janes	S.	Fayetteville	Washington
Hager, Katherine	T.	Bear	Montgomery
Hall, Harvey Jethro	A.	Scotland	Van Buren
Hamilton, Paul Key	E.	Mena	Polk
Hardin, Jodie W.	E.	Casa	Perry
Harper, Franklin Marion	A.	El Dorado	Union
Harris, Clara	A.	Oklahoma City	Okla. Ter.
Harvey, Frank P.	Sp.	Lake Village	Chicot
Henry, R. L.	E.	Lecont	Pulaski
Hight, William Clarence	E.	Fayetteville	Washington
Hooper, Lillian Gertrude	C.	Fayetteville	Washington
Hopson, Edwin Eastman	A.	Mountain Home	Baxter
Houston, Leda	A.	Fayetteville	Washington
Howell, Joseph N.	E.	Poteau	Ind. Ter.
Huddleston, Con	A.	Flippin	Marion
Hudgins, Ella Blanche	Sp.	Mena	Polk

Name	Course	Postoffice	County
Hughes, John Jackson	E.	Haynes	Lee
Hunter, Oscar Lutner	A.	Branch	Franklin
Jackson, William Black	E.	Brinkley	Monroe
Jarman, Mabel	S.	Barton	Phillips
Jennings, Dennis Russell	E.	Beebe	White
Jernigan, William James	A.	Charlotte	Independence
Johnson, Freeman Lee	S.	Hatfield	Polk
Jones, Arthur Melvin	S.	Poteau	Ind. Ter.
Jones, George Fleming	A.	Frank	Pulaski
Jordan, James Kent	A.	Fayetteville	Washington
Keith, Ernest Thomas	A.	Sharman	Columbia
Kunz, Katie Janette	A.	Fayetteville	Washington
Lantrip, Lynn Winston	E.	Fayetteville	Washington
Larrabee, Roy Ashley	E.	Fayetteville	Washington
Latimer, Sigsbee Booker	E.	De Queen	Sevier
Laughinghouse, Marguerite	C.	Forrest City	St. Francis
Leverett, Blanche	A.	Fayetteville	Washington
Leverett, Charles Deane	A.	Fayetteville	Washington
Leverett, Nina Deane	C.	Fayetteville	Washington
Lewis, Charlie Haw	A.	Atkins	Pope
Little, Jessie	A.	Lavaca	Sebastian
Lueker, Charles G.	A.	Famous	Pope
Manning, Gladys	A.	Clarendon	Monroe
Mathis, Harry Poynter	S.	Cotton Plant	Woodruff
Maxwell, James A.	E.	Texarkana	Miller
McCoy, Carlos	E.	Fayetteville	Washington
McDonald, Edgar Earle	A.	Batesville	Independence
McGraw, Grover D.	E.	Altus	Franklin
McKinlay, James M. C.	E.	Garfield	Benton
McLeod, Angus A.	E.	Fort Smith	Sebastian
McMillan, Fred Lee	E.	Pine Bluff	Jefferson
Meek, Roy Settle	A.	Russellville	Pope
Mellor, J. L.	E.	El Dorado	Union
Miller, Myrtle Ellen	A.	Fayetteville	Washington
Mitchell, Ollie	A.	Maysville	Benton
Mitchell, Solon Biffle	S.	Greenway	Clay
Moore, Mary Elsie	Sp.	Fayetteville	Washington

Name	Course	Postoffice	County
Moore, William F.	S.	Arkadelphia	Clark
Mooring, Jerry B.	S.	Cotton Plant	Woodruff
Morgan, Samuel Ross	A.	El Dorado	Union
Munn, Franklin Neill	S.	Prescott	Nevada
Munn, James Madison	E.	Prescott	Nevada
Newton, Jasper Curtis	E.	Montrose	Ashley
Norman, Felix Augustus	E.	Fayetteville	Washington
Oates, John Fount	T.	Martinville	Faulkner
Oliver, John A.	A.	Clifty	Madison
Paden, Charles E.	A.	King Mills	Sharp
Parish, Hugh Smitn	A.	Newport	Jackson
Pearson, John B.	E.	Poplar Grove	Phillips
Pearson, Thomas Milton	A.	Rhea	Washington
Petitt, James Lemuel	A.	Poteau	Ind. Ter.
Price, Edwin G.	A.	Berryville	Carroll
Purdue, John Gilbert	Sp.	Staunton	Washington
Read, Alicia Johnston	A.	Fayetteville	Washington
Rector, William Henry	S.	Gillham	Sevier
Redding, Jewell	S.	Green Forest	Carroll
Revel, John William	A.	Augusta	Woodruff
Robinson, John Henry	A.	Capot	Lonoke
Ross, Sam	E.	Cane Hill	Washington
Samuels, J. Charles	A.	McKinney	Texas
Scott, Roswell C.	A.	Ultima Thule	Sevier
Scroggin, James H.	S.	Morrilton	Conway
Sedwick, James E.	E.	Fayetteville	Washington
Sherrod, William Vernon	S.	Goshen	Washington
Shinn, Erwin Henry	A.	London	Pope
Shultz, Harry Everest	E.	Fayetteville	Washington
Simmons, James Felix	E.	Tupelo	Jackson
Simpson, Perry Osburn	A.	Corning	Clay
Skirving, George Wood	E.	Huntington	Sebastian
Slade, Carter G.	S.	El Dorado	Union
Smith, Jessie	Sp.	Fayetteville	Washington
Spears, Bruce W.	A.	Keeville	Monroe
Stacy, Hal	E.	Vanndale	Cross
Stokes, Walter Richard	E.	Bentonville	Benton

Name	Course	Postoffice	County
Sutton, Edith	A.	Fayetteville . . .	Washington
Swindle, John C.	A.	Walnut Ridge . . .	Lawrence
Tharp, Mattie Irene	A.	Fayetteville . . .	Washington
Thompson, Mack Franklin	E.	Fayetteville . . .	Washington
Trent, Bessie	A.	Fayetteville . . .	Washington
Tucker, Reginald George	E.	Portland	Ashley
Vandiver, Garland E.	S.	Harrisburg	Poinsett
Ware, Bert Lazerus	A.	Greenwood	Sebastian
Watson, Edmond Penn	E.	Bentonville	Benton
Wear, Robert Lavater	A.	Mena	Polk
Wells, Hugh Desha	E.	Bentonville	Benton
Wells, Thomas Watson	E.	Searcy	White
Wheeler, Martha	C.	London	Pope
Whitehead, Nell	T.	South McAlester . . .	Ind. Ter.
Whitmore, Willie Leora	A.	Fayetteville . . .	Washington
Wiggins, Joseph Cleveland	A.	Cecil	Franklin
Wilcox, Frank B.	A.	Stuttgart	Arkansas
Wilkinson, Henry Lee	S.	Greenwood	Sebastian
Williams, Hosea Lafayette	E.	Fayetteville . . .	Washington
Williams, Oscar Eugene	A.	Fayetteville . . .	Washington
Williams, Walter Quincy	E.	Fayetteville . . .	Washington
Wilson, J. Thad	S.	Junet	Grant
Winborne, John N.	A.	Waterproof	Lonoke
Wood, Arthur Cleveland	E.	Fort Smith	Sebastian
Wood, John Proudfit	E.	Fayetteville . . .	Washington
Woodruff, Clarence Herbert	A.	Rhea	Washington
Woodson, Edward Francis	E.	Bonanza	Sebastian
Wolf, Otho	A.	Paris	Logan
Wunnenburg, Edgar	E.	Cotton Plant	Woodruff
Yarbrough, Charles S.	E.	Elliott	Ouachita
Yarnell, Pitts	E.	Searcy	White
Yeargain, Jack C.	A.	Maysville	Benton
Yoes, Bert Conrad	E.	Alma	Crawford
Yopp, Harry	S.	Hazen	Prairie

First Year Class.

Name	Course	Postoffice	County
Abercrombie, Earl	E.	Pactolus	Benton
Albertson, Wallace W.	E.	Fayetteville	Washington
Allen, Joe Cleveland	A.	Hatfield	Polk
Anderson, Mary	S.	Fayetteville	Washington
Andrix, Annie	T.	Bentonville	Benton
Appleton, Marshall	E.	George's Creek	Marion
Babb, James Robert	S.	El Dorado	Union
Baker, Frank G.	E.	Fayetteville	Washington
Baker, Myrle	T.	Fayetteville	Washington
Ballard, Lydia	A.	Durham	Washington
Barnes, William Charles	A.	Camden	Ouachita
Barrenger, Katherine Louise	A.	Fayetteville	Washington
Baum, Elias Julius	E.	Fayetteville	Washington
Belknap, Beatrice Victoria	C.	Sulphur Springs	Benton
Benjamin, Reba	A.	Key	Benton
Bentley, Jean	T.	Vale	Washington
Black, Kate	S.	Fayetteville	Washington
Blass, Norman	A.	Little Rock	Pulaski
Block, Sam Maurice	A.	Vanndale	Cross
Bowers, Ezra James	E.	Paris	Logan
Breese, Isabelle	A.	Monett	Missouri
Brown, Elizabeth	C.	Fayetteville	Washington
Brown, Ethel	Sp.	Fayetteville	Washington
Brown, Thomas I.	T.	Camden	Ouachita
Bryan, Walter Lee	E.	Haynes	Lee
Bryan, Zella	C.	Fayetteville	Washington
Buffalo, George Cleveland	E.	Tomberlins	Lonoke
Buck, William Robert Washington	A.	Cave City	Sharp
Burnes, Curtis	A.	Dunklin	Missouri
Burnes, Al Birnie	E.	Fayetteville	Washington
Campbell, Madge	A.	Fayetteville	Washington
Campbell, William Gordon	E.	Fayetteville	Washington
Cannon, Roy	E.	Fayetteville	Washington
Cantrell, Henry Reutsel	S.	Mansfield	Sebastian
Carothers, Wallace	E.	Fayetteville	Washington
Carpenter, Dora M.	A.	Pottsville	Pope

Name	Course	Postoffice	County
Carter, John Thomas	E.	Searcy	White
Carter, Nama	A.	Durham	Washington
Carter, Noah Difford	A.	Durham	Washington
Champion, Oscar Leeland	A.	Gillett	Arkansas
Chew, Thomas C.	A.	El Dorado	Union
Clark, Nora	A.	Durham	Washington
Clark, Thomas Earl	E.	Goshen	Washington
Collier, John William	A.	Washburn	Sebastian
Comer, Rufus M.	S.	McCrory	Woodruff
Conley, Charles	E.	Harrison	Boone
Cook, Lela	S.	Fayetteville	Washington
Cook, Stuart Monroe	S.	Fayetteville	Washington
Cooper, Fred Wiley	E.	Brinkley	Monroe
Council, John B.	T.	Charleston	Franklin
Cox, Mary	A.	Fayetteville	Washington
Craig, Pearl	A.	Westville	Ind. Ter.
Crawford, Ell	T.	Prairie Grove	Washington
Crawford, Malcolm	E.	Fayetteville	Washington
Crawford, Marguerite	A.	Fayetteville	Washington
Crouch, Branch Lee	A.	Fayetteville	Washington
Dacus, Clyde Chester	A.	Alpha	Yell
Davenport, Walter Lafayette	A.	George's Creek	Marion
Davis, Mabel Eloise	A.	Fayetteville	Washington
Davis, Thomas Wils	A.	Blytheville	Mississippi
Davis, Waldo	E.	Powell	Marion
Davis, Zemri	A.	Cravens	Franklin
Delorvin, Paul Ellis.	E.	Fort Smith	Sebastian
Dent, Strother Major	E.	Riverside	Woodruff
Dowell, Grace	A.	Vale	Washington
Drake, James Wesley	E.	Paragould	Greene
Eason, Herman E.	E.	Fayetteville	Washington
Edwards, David Henderson	S.	Beebe	White
Elkins, Clyde C.	E.	Magazine	Logan
Elliott, Doris Carroll	E.	De Witt	Arkansas
Ellis, Clyde	E.	Paragould	Greene
Ellis, Josephine	S.	Fayetteville	Washington
Ellis, T. Marvin	A.	Wynne	Cross

Name	Course	Postoffice	County
Eskridge, Wilder	E.	Blytheville.	Mississippi
Evins, Alex A.	E.	Fayetteville	Washington
Evins, Thaddeus White	E.	Fayetteville	Washington
Evins, Theodore Frederick	E.	Fayetteville	Washington
Fesperman, John Frank	E.	Cotton Plant	Woodruff
Fesperman, William Jerome	E.	Cotton Plant	Woodruff
Folbre, Charles Mallen	E.	Forrest City	St. Francis
Ford, Reth	S.	Washburn	Sebastian
Fraser, Paul Etheridge	E.	Monette	Craighead
Gaines, Nora	T.	Higginson.	White
Garner, Walter Cleveland	A.	Marianna	Lee
Garrettson, William H.	E.	Quinton	Ind. Ter.
Gean, Iva	A.	Darysaw	Grant
Goldsmith, Abe S.	S.	Trenton	Phillips
Gray, Clara	A.	Batesville	Independence
Green, Ona Jewell	T.	De Queen	Sevier
Green, Thomas A.	T.	Mineral Springs	Howard
Gregg, Annie Josephine	A.	Fayetteville	Washington
Guinn, Pearl	T.	Winslow	Washington
Halk, Eli R.	S.	Cherry Valley	Cross
Hall, Hubert Cleveland	E.	Canton	Sharp
Hamilton, William John	A.	Fayetteville	Washington
Hannah, Alice Louise	A.	Fayetteville	Washington
Hardy, Mack	E.	Batesville	Independence
Harrison, Albert Taylor	T.	Mantee	Madison
Henry, Robert H.	E.	Hope	Hempstead
Hesterly, Archie	S.	Prescott	Nevada
Hicks, O. E.	E.	Lonoke	Lonoke
Hinman, Luola	A.	Gillett	Arkansas
Hodges, Jesse Diorell	T.	Hurricane	Saline
Hodges, Louie	S.	Boothe	Scott
Holtzclaw, Hanan H.	S.	Vineyard	Lee
Hope, John Marvin	T.	Hurricane	Saline
Huggins, William Lee	E.	Ozark	Franklin
Hughes, Verda	A.	Fayetteville	Washington
Hunt, Edward Bentley	A.	Coal Hill	Johnson
Huxtable, William Ginry	A.	Vincent	Crittenden

Name	Course	Postoffice	County
Isom, John Atlee	T.	Iris	Greene
James, Clifton Richard	A.	Tuckerman	Jackson
James, George Wm. Franklin	A.	Mena	Polk
James, John Milton	A.	Searcy	White
James, Rex Esmerald	A.	Maysville	Benton
Jarman, Gurtrude	S.	Barton	Phillips
Johnson, Bert Lee	E.	Fayetteville	Washington
Jones, Benjamin Franklin	T.	Durham	Washington
Jonas, Bertha Edyth	C.	Yellville	Marion
Jones, Hubert M.	A.	Chicago	Illinois
Jones, Lela Estia	A.	Fayetteville	Washington
Jordan, Flossie	A.	Fayetteville	Washington
Keck, Hilburn E.	E.	Harrisburg	Poinsett
Kelley, Eugene Blount	E.	Mena	Polk
King, Edyth Kaywood	Sp.	Fayetteville	Washington
Kitchens, George T.	A.	Waldo	Columbia
Koser, William Aubry	A.	Marion	Crittenden
Lash, Charles Edwin	E.	Brinkley	Monroe
Lester, May	A.	Fayetteville	Washington
Leverett, Whitham	A.	Fayetteville	Washington
Lowe, Chester Clarence	S.	Gillett	Arkansas
Luëkens, Maud Lillian	C.	Bentonville	Benton
Magoffin, Anna Angela	A.	Duluth	Minnesota
Maguire, Audie	S.	Fayetteville	Washington
Mann, Myrtle C.	T.	Winslow	Washington
Martin, Herbert	S.	Martinville	Faulkner
Masters, Effie	A.	Durham	Washington
Mayes, Ethel Esther	A.	Goshen	Washington
Mayo, James Edwin	E.	Indian Bay	Monroe
Mayo, Walter Pointer	E.	Indian Bay	Monroe
McCoy, Myrtle	S.	Fayetteville	Washington
McDaniel, Charles	E.	Forrest City	St. Francis
McDonald, Joel W.	A.	Sheridan	Grant
McKinlay, Peter Gillespie	A.	Garfield	Benton
McMurtry, Jack	E.	Bonanza	Sebastian
McWilliams, Hubert	S.	El Dorado	Union
Mitchell, Allie May	S.	Fayetteville	Washington

Name	Course	Postoffice	County
Mitchell, Ara Evelyn	A.	Fayetteville . . .	Washington
Moody, Guy	A.	Cornell	Chicot
Moody, Thaddeus	A.	Cornell	Chicot
Moore, Marguerite Mabel	C.	Fayetteville . . .	Washington
Morton, James Herbert	E.	Fayetteville . . .	Washington
Morton, Julia	A.	Fayetteville . . .	Washington
Moss, John W.	A.	Buffalo Lick . . .	Poinsett
Mount, Hugh L.	E.	Fayetteville . . .	Washington
Myrick, Allie L.	T.	Luxora	Mississippi
Neelly, Lila Irma	A.	Fayetteville . . .	Washington
Nesbit, William Edward	A.	Fayetteville . . .	Washington
Nettleship, John	E.	Fayetteville . . .	Washington
Newman, Ivo Mathias	A.	Marion	Crittenden
Niles, Charles Walter	T.	Joplin	Missouri
Norman, George M.	A.	Guthrie	Okla.
Oates, Samuel Clarence	E.	Martinville	Faulkner
Oliver, Georgia Louise	A.	Fayetteville . . .	Washington
Oliver, Lealia Ruth	A.	Fayetteville . . .	Washington
Oliver, Nora Cathrine	T.	Clifty	Madison
Orrell, R. Jeff	E.	Morrilton	Conway
Owens, Don Garrett	E.	Helena	Phillips
Pangle, Jobie N.	S.	George's Creek . . .	Marion
Patterson, Frances Loraine	A.	Fayetteville . . .	Washington
Peak, Robert Frank	E.	Grand Lake	Chicot
Peck, Dora	A.	Fayetteville . . .	Washington
Peer, Clyde A.	E.	Mansfield	Scott
Pollard, Lizzie	A.	Fayetteville . . .	Washington
Pool, William Walter	S.	Thompson	Washington
Portis, Beulah	S.	Tomberlins	Lonoke
Portis, James	E.	Tomberlins	Lonoke
Powell, Frank	E.	McCrory	Woodruff
Pratt, Bertha Bell.	Sp.	Higginson	White
Quinn, Harley	E.	Paris	Logan
Read, Laura Elizabeth	C.	Fayetteville . . .	Washington
Reed, Maggie	A.	Johnson	Washington
Reed, Pearle M.	A.	Fayetteville . . .	Washington
Reed, William Howard	A.	Heber	Cleburne

Name	Course	Postoffice	County
Reeves, Joseph Arch	S.	Mena	Polk
Reynolds, Cadmus Rice	A.	Atkins	Pope
Richmond, Jesse	A.	Huntington	Sebastian
Roberts, George N.	E.	Drake's Creek	Madison
Roberts, Ruth	T.	Drake's Creek	Madison
Rodgers, Horace Edwyn	E.	Fayetteville	Washington
Roulhac, Joseph P. G.	A.	Staunton	Washington
Rye, Sam H.	A.	Falerno	Pope
Scott, Andrew Lee	S.	Stattler	Crawford
Scott, Mamie Lavonia	A.	Fayetteville	Washington
Sedwick, Bessie North.	A.	Fayetteville	Washington
Shannon, Mary Etoil	C.	Fayetteville	Washington
Shelton, Walter Clyde	A.	Grays	Woodruff
Shook, Charles Harmon	E.	Carter's Store	Washington
Shores, Charles Howard	A.	Jonesboro	Craighead
Sigmon, Loma	E.	Harrison	Boone
Sims, Samuel Crockett	S.	Hazen	Prairie
Sloan, Bessie Edna	A.	Fayetteville	Washington
Smith, Haywood I.	E.	Manila	Mississippi
Springton, Gracie Pearl	A.	Durham.	Washington
Springton, J. William	A.	Durham.	Washington
Stephens, Frank	E.	Fayetteville	Washington
Stover, Luther	T.	Casa	Perry
Summers, Irene Louise	A.	Fayetteville	Washington
Sutton, Beulah	A.	Fayetteville	Washington
Sylar, Andrew	E.	Newell	Phillips
Taylor, George P.	A.	Forrest City	St. Francis
Taylor, Ralph Lewis	E.	Fayetteville	Washington
Thorn, Harvey Bell	A.	Buffalo Lick	Poinsett
Thurston, Monte	A.	Rector	Clay
Trice, Tazwell E.	E.	Cotton Plant	Woodruff
Trussell, Walter Andrew	T.	Sumpter	Bradley
Turner, Hosea Paxton	E.	Halstead	Pulaski
Ucker, Edward Joseph	A.	Fayetteville	Washington
Wade, George	E.	Fayetteville	Washington
Wade, Lila	A.	Fayetteville	Washington
Waterfield, Elgin A.	A.	Holdenville	Ind. Ter.

Name	Course	Postoffice	County
Weast, Cam F.	E.	Yellville	Marion
White, Felix Sloan	E.	Fayetteville	Washington
White, Pearl	S.	Fayetteville	Washington
Williams, Clifton	E.	Fayetteville	Washington
Williams, George Alexander	A.	Hot Springs	Garland
Williams, Louise Addie	C.	Fayetteville	Washington
Wofford, Horace	A.	Hartman	Johnson
Woodruff, Ethel	A.	Rhea	Washington
Worthington, Allen McDonald	A.	Beebe	White
Wright, Ollie	T.	Higginson	White
Yates, William Nicholas	E.	Fayetteville	Washington
Zike, Russell Litney	E.	Ardmore	Ind. Ter.

STUDENTS IN THE MEDICAL SCHOOL.

Adams, T. L.	Harvey, G. A.	Oberholtzer, Miss O.
Atkins, W. T.	Henderson, G. L.	Oates, L. T.
Alford, T. F.	Harris, W. D.	Osborne, M. N.
Abbott, C. C.	Hooper, E. C.	Prickett, C.
Bush, J. W.	Humbert, I. S.	Pratt, J. B.
Bollinger, W.	Hawkins, B. H.	Patterson, A. J.
Baltzell, C. H.	Hardin, Miss N. V.	Pate, L. H.
Baines, Swartz.	Hearn, J. W.	Powell, J. W.
Bearden, F.	Hill, O. A.	Poe, W. D.
Berryman, L. D.	Huie, J.	Plunkett, C. M.
Burnett, J. A.	Harris, R. L.	Purtle, C. C.
Burton, R. F.	Head, W. H.	Pippen, L. D.
Buchanan, A. S.	Hook, J. K.	Poynor, E. E.
Britt, H. A.	Horton, N.	Perry, J. T.
Bogart, H. D.	Horner, J. R.	Perry, M. L.
Brewster, B.	Horner, J. C.	Pearson, W. H.
Branscom, S. B.	Hornsby, W. W.	Pardew, A. A.
Butler, V. V.	Harris, C. L.	Porter, W. C.
Burnett, E.	Hagood, A. S.	Quidor, J. E.
Britt, J. B.	Harkins, R. A.	Row, G. C.
Blount, W. T.	Howard, B. W.	Ray, G. T.
Berry, F. O.	Ingram, E. M.	Routh, H. P.
Bruce, J. C.	Irwin, W. P.	Roe, J. B.

Billington, J. E.	Joyce, M. J. H.	Rose, F. C.
Bridges, J. H.	Judd, O. K.	Reagan, W. T.
Burge, J. W.	Jewell, I. H.	Rogers, W. S.
Carmichael, A. L.	Johnson, S. C.	Reynolds, E. A.
Copeland, T. E.	Johnston, O. J. T.	Ross, T. A.
Cason, J. R.	Jackson, L. T.	Roberts, D. C.
Cabaniss, J. R.	Jack, S. W.	Routh, C. M.
Carter, J. D.	King, R. R.	Scott, C. V.
Carter, G. W.	Kelleam, E. A.	Simmons, J. A.
Conley, J. W.	King, Edgar.	Slaughter, N. J.
Callen, L. H.	King, K. W.	Smith, J. H.
Coleman, T. C.	Kenyon, A. D.	Sneed, R. H.
Cook, J. D.	King, R. E.	Stover, Grover.
Clark, Ira.	Kennedy, L. S.	Stiles, G. S.
Cottrell, W. P.	Long, Miss N. L.	Spencer, M. N.
Crump, J. F.	Lester, W. T.	Shinn, T. J.
Chandler, G. F.	Lay, J. D.	Smith, Ira.
Dibrell, J. L.	Lester, J. L.	Stubblefield, J. L.
Downs, J. H.	Love, J. G.	Scott, L. L.
Dildy, E. V.	Lovelady, B.	Shamblin, D. W.
Doughty, D. A.	Maxwell, R. L.	Thompson, E. M.
Dejarnatt, J. W.	Mason, W. A.	Turney, S. D.
Duckworth, F. L.	Murphree, A. J.	Tipton, W. C.
Dendy, B. J.	Miller, R. D.	Thompson, G. R.
Davenport, J. W.	Mayfield, A. M.	Teeter, C. R.
Dreesen, C. L. R.	Melton, J. W.	Tate, A.
Dillard, W. H.	Martin, J. W.	Thomasson, S. J.
Dillard, J. A.	Mitchel, R. L.	Vaught, A. J.
Daily, J. N.	Mooney, Leon.	Wayman, A. K.
Elkins, W. N.	Morris, J. F.	Wayne, J. R.
Erwin, I. H.	Morrow, W. F.	White, L. W.
Elton, Albert.	Moore, Wm. T.	Warford, R.
Fowler, A.	Munn, J. A.	Woods, Geo. M.
Farish, A. H.	Milligan, E. A.	Watkins, G. E.
Foster, W. R.	Maloy, John.	Wilkinson, S. L.
Green, W. C.	McDaniel, Alva.	Woods, G. G.
Gray, O.	McDonald, C. S.	Woodeel, T. W.
Green, B. E.	McCurry, D. K.	Woolverton, H. G.
Griffin, R. M.	McHenry, G.	White, W. H.

Griffin, E. P.	McDonald, W. T.	Whittaker, E. E.
Green, B. F.	McMath, J. T.	West, J. H.
Gillum, A. D.	McFerrin, J. O.	Wilson, J. W.
Gaddy, Louis.	McFadden, J. C.	Wear, Wm. M.
Glover, C. A.	North, A.	Westbrook, W. R.
Gormon, W. M.	Nowlin, W.	Yates, Geo.
Ginn, W. T.	Nelson, F. L.	Yates, Geo. W.
Gullett, J. E.	Newkirk, C. H.	Yadon, G. B. M.
Hodges, E. E.	Ogden, M. D.	Yarbrough, J. E.

STUDENTS IN THE LAW SCHOOL.

W. A. Boyd	Little Rock	Arkansas
J. C. Brookfield	Rock Creek	Arkansas
J. W. Clack	Argenta	Arkansas
G. H. Clayburn	Fourche Dam	Arkansas
J. B. Cox	Little Rock	Arkansas
H. T. Duvall	Crawfordsville	Arkansas
E. M. Frye	Sallisaw	Indian Territory
Hugh A. Haden	Piggott	Arkansas
Trusten C. Hicks	Little Rock	Arkansas
Henry T. Hobbs	Clinton	Arkansas
Ross Huffmaster	Kaufman	Texas
W. G. Hughes	Little Rock	Arkansas
W. C. Hutton	Little Rock	Arkansas
James H. Johnson	Magazine	Arkansas
E. B. Jones	Little Rock	Arkansas
J. F. Koone	Wynne	Arkansas
Fred W. McDonald	Little Rock	Arkansas
E. L. McHaney	Lonoke	Arkansas
E. R. Ratterree	Little Rock	Arkansas
R. W. Robbins	Little Rock	Arkansas
Albert F. Schneider	Little Rock	Arkansas
T. C. Trimble	Russellville	Arkansas
B. C. Tryce	Argenta	Arkansas
E. M. Ware	Little Rock	Arkansas

GENERAL SUMMARY OF STATISTICS.

College.

Graduates	3
Seniors	35
Juniors	36
Sophomores	75
Freshmen	139
Short Course in Engineering	37
Specials	45

370

Conservatory of Music and Arts.*

Preparatory School.

Second Year Class	174
First Year Class	233

407

Not classified in any Department	5
--	---

Total number of students at Fayetteville in the College, the Conservatory of Music and Arts, and the Preparatory School	806
Medical School (Little Rock)	213
Law School (Little Rock)	25
Branch Normal College (Pine Bluff)	200

Grand Total1,244

*The total number of students enrolled in the Conservatory of Music and Arts is 394.

DEGREES.

On Commencement Day, June 18, 1903, degrees were conferred as follows:

B. A.

Nora Madge Bates (with distinction).
Hugh Brewster.
William W. Cartwright.
Leila Ruth Droke (with distinction).
William Marvin Harris (with distinction).
Fred White Holt.
Abner McGehee.
Hattie Clementine Melton (with distinction).
Samuel Alfred Mitchell.
William Benjamin Rife (with distinction).
John Paul Streepey.
Rupert Taylor (with distinction).
Joseph Pitts Womack.

B. S.

William W. Cartwright. William Benjamin Rife.
Elbert Clark.

B. C. E.

Fred Merritt Billings. Houston T. Daniels.
John Charles Blaylock. Frank Hill Davis.
Lemuel Berry Bryan. Robert James Middleton.

B. E. E.

Alonzo Milton Honnett.
James Leland Longino (with special distinction).
William Arthur Ruggles (with distinction).

B. M. E.

James Leland Longino.
James Frederick Muller.
William Andrew Treadway, E. E., 1901.

M. S.

Dennis Clyde Mooring, B. S., 1902.

M. D.

In 1903 the degree of M. D. was conferred by the University of Arkansas upon the following candidates:

W. I. Blackwell.	G. H. Gibson.
E. A. Callahan.	J. D. Leonard.
C. W. Donaldson.	J. A. Phillips.
J. E. Elliott.	C. J. Steed.
T. M. Fly.	J. B. Stueart.
R. C. Foster.	J. G. Watkins.

L. L. B.

In 1903 the degree of LL. B. was conferred by the University of Arkansas upon the following candidates:

Richard Robinson Allnutt.	John Jackson Lewis.
John M. Clayton.	Robert Martin.
Frank Hatton Dodge.	Creslie D. Morris.
Garner Fraser.	Clay E. Smith.
Norman P. Haskell.	David Dickson Terry.
George De Matt Henderson.	D. Everett Tucker.
Fred Ellensworth Holder.	Charles L. Watkins.
Robert Ward Johnson.	Albert F. Welch.
John Price Kerby.	J. F. Wills.

PART II.

The University and its Departments.

ORIGIN.

The University of Arkansas owes its origin to an act of Congress, approved July 2, 1862, providing that public lands should be granted to the several states, to the amount of "30,000 acres for each senator and representative in Congress," from the sale of which there should be established a perpetual fund, "the interest of which shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." The act forbids the use of any portion of the aforesaid fund, or of the interest thereon, for the purchase, erection, or maintenance of any building or buildings. The states accepting the provisions of the act are required to provide for the construction and maintenance of the necessary buildings, and for the expenses of administration in carrying out the purposes of the act.

The general assembly of the state of Arkansas accepted the national law by passing an act, approved March 27, 1871, which provided for the location, organization, and maintenance of the University of Arkansas, and which allowed the several counties of the state to compete until a certain time for the location of the University by making public or private donations of bonds, moneys, or lands.

Several individuals and communities made bids: Washington, the only county that competed, voted \$100,000. Fayetteville, Washington County, voted \$30,000 in addition, and was selected as the seat of the University. The institution was opened January 22, 1872.

Under an act of Congress, approved March 2, 1887, the University receives \$15,000 annually for the maintenance of the experiment station, "to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science."

Under an act of congress, approved August 30, 1890, the University receives \$25,000 annually, "to be applied only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematical, physical, natural and economic science, with special reference to their application to the industries of life."

PURPOSE.

The University is at the head of the public educational system of the state of Arkansas. It seeks to foster the higher educational interests of the state, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its faculty and board of trustees, from year to year, to bring it into still closer articulation with the public schools of the state, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature and science, and technical education in the industrial arts and professional studies.

Through the aid received from the United States and from the state of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of law, medicine, music, and art, and to open wide her doors to all seekers of learning.

LOCATION.

Four of the seven departments of the University, viz: the College, the Preparatory School, the Conservatory of Music and Arts, and the Agricultural Experiment Station, are located at Fayetteville, Washington County, Arkansas. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south by the Texas branch of the St. Louis & San Francisco Railroad, which has three trains daily each way and various connections with other roads, both north and south. From the west students may reach Fayetteville by the Ozark & Cherokee Central Railroad.

THE COLLEGE OF LIBERAL ARTS, SCIENCES AND
ENGINEERING.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.,
President, 717 W. Dickson Street.

Officers of Instruction.

JOHN CLINTON FUTRALL, M. A.,
Professor of Ancient Languages, 220 N. College Avenue.

GEORGE WESLEY DROKE, A. M.,
*Professor of Mathematics and Astronomy, Cor. Hill and Putman
Streets.*

JULIUS JAMES KNOCH, M. S., C. E.,
Professor of Civil Engineering, 402 N. College Avenue.

WILLIAM NATHAN GLADSON, M. S., E. E., Ph. D.,
Professor of Electrical Engineering, 820 W. Maple Street.

ARTHUR HOMER PURDUE, A. B.,
Professor of Geology and Mining, 538 Leverett Street.

CLIFFORD LEWIS NEWMAN, M. S.,
Professor of Agriculture, E. Maple Street, Cor. Highland Avenue.

FRANK WELBORN PICKEL, A. B., M. Sc.,
Professor of Biology, 808 W. Maple Street.

ERNEST WALKER, B. S. Agr.,
Professor of Horticulture, 524 Leverett Street.

JOSEPH WILLIAM CARR, Ph. D.,
*Professor of English and Modern Languages, 353 Highland
Avenue.*

WILLIAM SMYTHE JOHNSON, Ph. D.,
Professor of Philosophy and Pedagogics, 224 W. Dickson Street.

JOHN HUGH REYNOLDS, A. M.,

Professor of History and Political Science, 814 W. Maple Street.

ANTHONY MOULTRIE MUCKENFUSS, Ph. D.,

Professor of Chemistry and Physics, 231 N. East Street.

BURTON NEILL WILSON, B. Sc., M. E.,

Professor of Mechanical Engineering, 241 N. College Avenue.

LANNING PARSONS (West Point), Captain U. S. A.,

Professor of Military Science and Tactics, 221 N. College Avenue

CHARLES HILLMAN BROUGH, Ph. D.,

Professor of Economics and Sociology, 343 Arkansas Avenue.

EDGAR FINLEY SHANNON, A. B.,

Associate Professor of English and Modern Languages, 325 N. College Avenue.

BOLLING JAMES DUNN, A. M.,

Associate Professor of Mathematics, 129 E. Dickson Street.

LEWIS HENRY ROSE,

Associate Professor of Chemistry and Physics, 123 College Avenue.

HADGIE BOOKER DAVIES, B. A.,

Adjunct Professor of English and Modern Languages, 207 N. College Avenue.

THEODORE CHARLES TREADWAY, B. E. E.,

Adjunct Professor of Mechanical Engineering, 820 W. Maple Street.

WILLIAM ANDREW TREADWAY, E. E., B. M. E.,

Instructor in Electrical Engineering, 820 W. Maple Street.

LEMUEL BERRY BRYAN, B. C. E.,

Instructor in Civil Engineering, 402 N. College Avenue.

W. A. HARDING,

Machinist, Cor. Town and Hill Streets.

EQUIPMENT.

University Hall.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building 214 feet in length, and two wings, each 124 feet in depth, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, chapel, library and reading room, separate study halls for the boys and girls of the preparatory department, armory, magazine, band room, laboratories for engineering, biology, and geology, music and art rooms, president's and commandant's offices, natural history museum, examination hall, literary society halls, toilet rooms, etc., in all seventy rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

**Directory of Rooms in University Hall, 1903-1904.*

1. DR. HENRY S. HARTZOG,
President.
2. I. C. CARSON,
Secretary to the President.
3. J. W. KUYKENDALL,
Principal of Preparatory Department.
4. CAPT. LANNING PARSONS,
Commandant and Professor of Military Science and Tactics.
5. MRS. EMMA W. COLE,
Instructor in History and Latin (Preparatory Department).

**After the summer of 1904 the offices, class rooms, and laboratories of the mechanical, civil, and electrical engineering departments will be in Engineering Hall.*

6. MISS MARY W. VAULX,
Instructor in English (Preparatory Department).
7. MISS MARY A. DAVIS,
Instructor in English and History (Preparatory Department).
8. MISS NAOMI WILLIAMS,
Instructor in Latin and History (Preparatory Department)
9. CHAPEL.
10. JANITOR'S ROOM.
11. CLOAK ROOM.
12. BOYS' STUDY HALL,
G. A. Cole, Instructor in Mathematics (Preparatory Department).
13. J. W. KUYKENDALL,
Principal Preparatory Department, Office.
14. J. H. REYNOLDS,
Professor of History.
15. J. W. CARR,
Professor of English and Modern Languages.
16. E. F. Shannon,
Associate Professor of English and Modern Languages.
17. YOUNG MEN'S CHRISTIAN ASSOCIATION.
18. R. E. PHILBECK,
Instructor in Mathematics and Physical Geography (Preparatory Department).
19. MISS HADGIE B. DAVIES,
Adjunct Professor of English and Modern Languages.
20. J. C. FUTRALL,
Professor of Ancient Languages.
21. C. H. BROUGH,
Professor of Economics and Sociology.
22. LIBRARY AND COLLEGIATE STUDY HALL,
Miss Ada Pace, Librarian.

23. GIRLS' CLOAK ROOM.
24. BOYS' CLOAK ROOM.
25. GIRLS' STUDY HALL.
Miss Rose Bennett, *Instructor in Mathematics and History*
(*Preparatory Department*).
26. PAUL SCHMOLCK,
Music Director.
27. B. J. DUNN,
Associate Professor of Mathematics.
28. T. C. TREADWAY,
Adjunct Professor of Mechanical Engineering.
29. W. S. JOHNSON,
Professor of Philosophy and Pedagogics.
30. JANITOR'S BEDROOM.
31. W. A. TREADWAY,
Instructor in Electrical Engineering.
32. F. W. PICKEL,
Professor of Biology.
33. G. W. DROKE,
Professor of Mathematics and Astronomy.
34. G. W. DROKE'S OFFICE.
35. B. N. WILSON,
Professor of Mechanical Engineering and Superintendent of
Mechanic Arts.
35. BIOLOGICAL LABORATORY.
36. MISS AMMEE LEVERETT, *Art.*
37. MUSIC PRACTICE ROOM.
38. J. J. KNOCH,
Professor of Civil Engineering.
38. W. N. GLADSON,
Professor of Electrical Engineering.
39. PROF. A. H. PURDUE'S OFFICE.
U. of A.—3.

40. MUSEUM.

41. MATHETIAN AND PERICLEAN SOCIETIES.

42. A. H. PURDUE,

Professor of Geology and Mining, and Curator of Museum.

43. MINERALOGICAL LABORATORY.

44. GARLAND SOCIETY.

45. GYMNASIUM.

Basement.

A. CIVIL ENGINEERING DRAWING ROOM, SENIOR CLASS.

B. CIVIL ENGINEERING LABORATORY.

C. X RAY ROOM.

D. STORAGE ROOM.

E. STORAGE ROOM.

F. VACANT.

G. VACANT.

H. BAND ROOM.

I. ORDNANCE STORE ROOM.

J. ARMORY.

K. ELECTRICAL LABORATORY.

Science Hall.

This building, designed especially for the departments of chemistry and physics, is a substantial two-story brick building, 50x90 feet. The basement is fitted up with suitable furnaces for assaying, metallurgical, and electrochemical work. On the first floor are the lecture rooms of the two departments, the general physical laboratory, the advanced physical laboratory and storeroom, and also the office of the professor in charge. On the second floor are the chemical laboratories, including a laboratory for general chemistry, a

laboratory for qualitative analysis, one devoted to quantitative analysis, and a private laboratory; also a storeroom for chemical supplies, a weighing room, and the office of the professor. The building is supplied with gas, water, steam heat, and with modern appliances for technical work. It will accommodate about 200 students.

Engineering Hall.

Engineering Hall is located on the main driveway, just south of University Hall. It accommodates the departments of electrical, civil and mechanical engineering, with offices, lecture rooms, and laboratories. It is built of native sandstone and pressed brick, with limestone trimmings. The construction is slow-burning and nearly fireproof.

The building is 150x58 feet 4 inches, three stories high and contains thirty-two rooms, aggregating about 26,000 square feet of floor space. A corridor divides the building from east to west and is intersected at the middle by another hallway from the front of the building, thus giving easy access to any room.

In addition to the laboratories, offices, lecture rooms and draughting rooms of the departments of engineering, there is an assembly room on the first floor for the accommodation of engineering societies, and other gatherings too large to be accommodated in a lecture room.

The library and reading room contains engineering magazines, journals and technical works on engineering.

Owing to the inadequate appropriation, the building is not fully equipped, but the design provides for steam heat from the central station, electric light and power, and an elevator from the basement to the second floor.

Mechanical Hall.

Mechanical Hall was built to take the place of the building consumed by fire on October 20, 1902. It is of brick, 40 feet wide and 155 feet in length, with a boiler house, 35x40 feet adjoining, and contains the machine shop, wood shop, and forge shop. The shops will accommodate about fifty students at one time.

Buchanan Hall.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view to the health of the occupants, and convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors extending lengthwise through the building. From a wide veranda in front, there are three entrances to the building. There are also two rear entrances, and on the third floor a suite of rooms fitted up for an infirmary. Through the generosity of the ladies of Fayetteville, this suite of rooms has been thoroughly equipped. In the rear of the hall a brick building has been erected, which furnishes bath and toilet rooms, supplied with cold and hot water.

The New Dormitory.

The new dormitory, for which a special appropriation was made by the general assembly of 1901, is now in use. It is located west of University Hall and north of Buchanan Hall, and is convenient of access to both buildings. It is a substantial brick structure, three stories high, with a foundation of range stone work, and with trimmings of dressed limestone, and contains in all some twenty-five rooms. The first

story contains a commodious dining hall, 38x86 feet, which is sufficiently large to accommodate all students who occupy rooms in University dormitories. On this story also are kitchen, storeroom, furnace room, coal bin, etc. The second and third stories contain some twenty rooms for students, besides ample corridors, stairways, etc. By the aid of the superintendent and the liberality of the students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. The entire building is heated by steam, lighted by electricity, and supplied with water by the city water-works.

Agricultural Buildings.

The principal buildings of the agricultural experiment station are of brick, one-story in height. They contain several offices, the laboratories of the station, the station museum, and several commodious storerooms. Belonging to the department of agriculture are a large barn, stock shed, dairy house, and other necessary outbuildings. There is also a handsome and conveniently located cottage residence for the manager of the University farm.

Horticultural Building.

This structure is 23x60 feet, is heated by steam, and supplied with improved ventilating apparatus and other modern conveniences. Attached to this is a building 24x30 feet, which is designed to be used as a laboratory for plant study. The equipment thus provided furnishes much-needed facilities for study and research to all persons interested in plant life, and especially to students of horticulture.

The building is located north of University Hall, and together with the improvement of the adjacent grounds, adds much to the sightliness of that part of the campus.

THE LIBRARY AND COLLEGIATE STUDY HALL.

The library occupies the north wing of University Hall, second floor. It now contains over 9,000 volumes, with numerous pamphlets, maps, charts, etc. Shelves are provided for 14,000 volumes, with room for expansion. There are also special libraries belonging to various departments comprising nearly 1,800 volumes.

The Dewey decimal system of classification and the Cutter book-numbers are used, thereby simplifying the circulation of books and the general care of the library.

The leading high class periodicals (including magazines, reviews and various technical monthlies) are regularly taken, and are bound as they accumulate. This vast fund of current literature is rendered more useful and accessible by "Poole's Complete Index" to periodic literature from 1802, to the present time. Forty-five magazines, thirty-five weekly and seven daily papers are received by the library.

Among the works of general reference in the library are many of the best encyclopedias and dictionaries.

The card catalogue, with a capacity for 30,000 volumes, greatly facilitates reference and increases the usefulness and popularity of the library. Cards for Warner's Library of the World's Best Literature, prepared by the American Library Association, have recently been added to this catalogue.

THE LABORATORIES, ETC.

In the laboratories of the University opportunities are afforded for practical instruction in chemistry, mineralogy, physics, botany, zoology, entomology, horticulture, and in civil, mechanical, electrical, chemical and mining engineering.

Chemical Laboratories.

The laboratories for chemical work are four in number and are situated in Science Hall. The laboratory of general chemistry is furnished with desks capable of accommodating a hundred students. Each desk has a cupboard and drawers, and is provided with gas and water. The qualitative laboratory has desks for sixteen students. Each desk is provided with suitable conveniences for taking care of apparatus, and is supplied with all the common reagents. The rooms are provided with hoods, soapstone sinks and other equipments usually found in chemical laboratories. The quantitative laboratory has suitable accommodation for sixteen students, with the usual equipments. Adjoining the quantitative laboratory is the weighing room, which contains three of Becker's analytical balances, besides a number of less accurate instruments suitable for weighing large quantities of chemicals. The storeroom contains all the apparatus and chemicals. The room is in charge of an assistant, who gives out the supplies. This room contains the apparatus for preparing distilled water. Adjoining the balance room is the private laboratory of the professor in charge.

The general physical laboratory is a room 20x70 feet, and is provided with large tables suitable for use in performing experiments in general physics and physical measurements. It has also pillars built up from the ground, and independent of the rest of the building, for the accommodation of delicate instruments which would otherwise be disturbed by the vibrations of the floor. The storeroom of physical apparatus is supplied with instruments suitable for illustrating the principles of physics and for the use of students in practical work.

The advanced physical laboratory has three cement tables, built up from the ground, wall attachments for galvanometers, and other conveniences for work in electricity, light and heat. There are also on the same floor two storerooms for lecture apparatus and a balance room for industrial chemistry.

Biological Laboratory.

The biological laboratory is located on the third floor of University Hall, and has accommodation for about forty students. The laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators, sterilizers, etc., also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are needed for practical work in biology. There is a collection of insects and also apparatus for collecting, drying, preserving and mounting insects. The laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

Geological Laboratory.

The geological laboratory is provided with aneroid barometers, compasses, hand-levels, pedometers, etc., for field work, two petrographic microscopes, and an excellent equipment of drawing apparatus for the construction of geological sections and topographic maps; also, with apparatus for the construction of relief maps.

There is a well-equipped laboratory for determinative mineralogy, and a room for the preparation of relief maps and other work connected with the department of geology.

Mechanical Engineering Laboratory.

The laboratory contains the following machinery: One 15-horsepower vertical boiler; one 10-horsepower slide-valve steam engine; one 10-horsepower Hamilton gasoline engine; one 35-horsepower Westinghouse compound steam engine; one 3x4 duplex steam pump, and one 60,000-pound Rheile testing machine.

The laboratory is well provided with apparatus for experimental work, including steam calorimeters, engine indicators, and counters, injectors, thermometers, pressure gauges, measuring tanks, feed-water heaters, condensers, etc.

The steam boilers used for heating the University buildings are arranged so as to be available for experimental work, and the shop engine, a Corliss, is also used for purposes of instruction.

Electrical Laboratories.

The Dynamo Laboratory affords excellent facilities for experimental work with practical machinery. It is located in the east end of the basement of Engineering Hall.

The power is supplied by a 30-horsepower vertical type, double cylinder, gasoline engine. A 60-cell, 300 ampere-hour storage battery supplies current for experiments in which an absolutely steady power is desired.

There are direct current dynamos and motors, of the constant current and constant potential types. Single, two, and three phase alternators supply current at various voltages and frequencies. There are transformers, converters, synchronous and induction motors, with a liberal supply of measuring instruments for use with the various machines.

The Senior Laboratory is located on the first floor of Engineering Hall and is supplied with direct current at 110, 220 and 500 volts. Alternate current, single phase at 50, 100 or 200 volts and 60 cycles. Two phase, 60 cycle at 110 or 220. Three phase at 110 or 220 volts, with a frequency of 60 to 133 cycles per second. A high tension testing transformer supplies current at any voltage up to 120,000 volts for testing of insulators, while standard cells, a Kelvin balance and a potentiometer furnish means for calibrating the laboratory measuring instruments.

The equipment enables students to carry on experimental work of a very wide range and to attain proficiency in operating and testing electrical machinery.

Students are also permitted to inspect the plant of the Fayetteville Electric Light & Power Company, and to take measurements and make tests on it. Their primary mains supply our laboratory with alternate current at 125 cycles and 2,000 volts.

The Photometric Laboratory, which also serves as a photographic and x-ray dark room, is supplied with a standard photometer bar, Lummer-Brodhun screen and Amylace-tate lamp. It is connected by cable with the switch-boards in the storage battery room and in the dynamo room.

Civil Engineering Laboratory and Equipment.

The civil engineering laboratory is provided with all necessary instruments for work in land, railroad, and city surveying. The equipment of field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of different manufacturers. Among the usual field instruments there are a number of engineers' transits, theodolite, Y levels, transit with solar attachment, compasses, hand levels, standard and ordinary steel tapes, aneroid barometers, plane table, sextant, etc.

The laboratory has been entirely remodeled, now occupying two large, well-lighted rooms in the basement of the main building. An equipment for work in practical astronomy has also been added, consisting of a large altazimuth, reading to seconds by levels and micrometers; a sidereal clock with break circuit attachment and a chronograph reading to tenths of seconds.

Cement Laboratory.

The equipment for the purpose of testing the strength of mortars and cement, includes one 2,000-pound tensile testing machine, standard consistency apparatus, Vicat's and Gilmore's needles for determining set, metal moulds for tension, compression and transverse test-pieces, steaming apparatus for blowing tests, and sieves for fineness.

Shops.

The machine shop contains a Corliss engine, which runs the machinery in the whole building, a large iron planer, a shaper, four lathes of different sizes and makes, drill press, two grinding machines, milling machine, and a good supply of hand tools, benches and materials.

The forge shop contains eight Buffalo forges with down draft which takes the smoke away through underground pipes, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and a punching machine, eight anvils of different weights, and all the necessary blacksmith tools for the eight forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, mortising and boring machine, five smaller lathes, one 18-inch patternmaker's lathe, and twenty-six benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colliau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of 150 pounds capacity, a Buffalo pressure blower, and a coke oven.

The boiler room contains three 70-horsepower boilers, feed pump, injectors, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to fifty students at one time.

Among the facilities for instruction in engineering contained in the equipment of the mechanical department in addition to the shop equipment may be mentioned: A Dean steam pump with air chamber, water and steam cylinders, and

valve chambers sectioned, so that a student may see the working parts; a Cameron steam pump with a steam cylinder sectioned, showing the valve motion; a Knowles pump in full working order; a Blake steam pump in section; sections of injectors; a model of a Stevenson's link motion; and a collection of samples of manufactured articles, such as steam pipe coverings, leather beltings, lubricating oils, etc.

M. E. Drawing Room.

The equipment includes the usual tables and stools; and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, etc. A blue-print room contains complete facilities for the details of the blue print process. One room is provided with photographic facilities, which will be used to prepare lantern slides and prints illustrating various branches of engineering.

Physical Culture Room.

A large room on the north wing of University Hall is set apart for the use of the department of physical culture. This room has been furnished as far as means were available with the equipment necessary for systematic physical training.

The Armory.

The armory is a large, well-lighted room, 60x80 feet, occupying the entire basement of the north wing of University Hall. It is substantially fitted up with arm racks, compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the military department, and are used as bandroom and storeroom.

The equipment of the department consists of 300 Springfield cadet rifles, of the same model as those used at the United States Military Academy at West Point, 300 sets of infantry equipments, twenty-seven cadet swords (West Point pattern), national colors, flags, signal equipment, ammunition, etc., and a superior set of band instruments.

The arms and equipments are furnished the University by the general government. The other equipments have been purchased by the University and belong to the military department. The equipment is sufficient for a battalion of 400 cadets.

The Museum.

The museum occupies the fourth floor of the south wing of University Hall. Large additions have been made to its equipment with a view to facilitate instruction in geology and biology, and also to make it of increased interest to the visiting public. That portion of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Four sloping-top cases with drawers beneath afford space for several thousand specimens.

Relief Maps. For illustration in geology and general interest to the public, there have been placed in the museum the following relief maps: geological relief maps of the state of Arkansas, Colorado Canon, central Tennessee and the United States; a convex relief map of the United States on a section of a globe sixteen feet in diameter; a relief map of Carmel Bay, California; Ice Spring Craters, Utah; Yosemite Valley, Palestine, Mount Vesuvius, the state of California, and San Francisco Peninsula. Other maps are in preparation at the University.

The Mineral Collection. The mineral collection contains about 2,000 specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection. The most valuable part of this collection consists of the series furnished by the United States geological survey, representing sedimentary, igneous and metamorphic rocks. Besides this, there is a valuable collection of building and other stones from different parts of the country.

Paleontological Collection. There is a large collection of fossils in the museum, but as they have not yet been arranged and catalogued, the number of specimens cannot be even estimated.

The Major Earle Collection. Major F. R. Earle has deposited in the museum his private collection of minerals and fossils. This collection was formerly in Cane Hill College.

The Zoological and Botanical Collection. This collection consists of 200 birds and mammals, representing eighty species; 200 reptiles and amphibians, representing forty species; 1,500 fishes, representing 350 species; 1,000 insects and other invertebrates, representing 200 species; several skeletons.

Donations to the museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care

or improper handling. The museum is now prepared to receive collections on deposit, and to preserve and display them under the owner's name until called for.

While the museum is most important on account of its educational value, it at the same time serves an important purpose in representing the resources of this state.

Athletic Field.

For the accommodation of the University football and baseball teams and spectators there is an excellent athletic field, with a covered grandstand.

ADMISSION TO THE COLLEGE.

***General Conditions of Admission.**

Candidates for admission are urged to be present on the opening day of the session. Admission at a later date is not refused, but is attended with greater or less inconvenience.

Students on their arrival in Fayetteville should report promptly to the president. Needless delay in reporting or unseemly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the school last attended, or furnish other testimonials of good moral character.

Entrance examinations will be required of all students entering the University except those who bring certificates from accredited preparatory schools or from other reputable colleges or universities. For the time at which these examinations will be held see page 87.

*For terms of admission to the preparatory department see page 94.

Admission to the Freshman Class

The requirements for admission to the Freshman class consist partly of constants, or required subjects, and partly of electives. At present a student must present for admission to the B. A., B. S., and Normal courses thirty-one credits; to the engineering courses, twenty-four credits. One credit is regarded as the equivalent of one recitation of sixty minutes, or two recitations of thirty minutes each, in a study for a school year of thirty-six weeks. Below will be found a detailed statement of the requirements for admission to the different courses:

For the B. A., B. S., and Normal Courses.**Required:**

English, 8 credits.

Algebra, 5 credits.

Plane Geometry, 4 credits.

United States History, 3 credits.

General History or Greek and Roman History,
3 credits.

Total, 23 credits.

Required in addition, 8 credits selected from the following groups:

Group A:	{	Latin, 8 credits.
	{	Greek, 8 credits.
	{	French, 8 credits.
	{	German, 8 credits.

Group B:	{	Physical Geography, 2 credits.
		Physiology, 2 credits.
		Botany, 2 credits.
		Zoology, 2 credits.
		Physics, 2 credits.
		Chemistry, 2 credits.
		English History, 2 credits.
		Civil Government, 2 credits.
		Bookkeeping, 2 credits.
		Freehand Drawing, 2 credits.
		Manual Training, 2 credits.
		Mechanical Drawing, 2 credits.

Candidates for the B. A. degree will be required to present eight credits from group A, all in one language.

Candidates for the B. S. degree, or for the Normal course, will be required to present eight credits selected from group A or B, or both.

For the Engineering Courses.

Required:

- English, 8 credits.
- Algebra, 5 credits.
- Plane Geometry, 4 credits.
- United States History, 3 credits.
- Total, 20 credits.

Required in addition, 4 credits selected from any one of the subjects in A or any two in B.

Entrance Examination Subjects.

The following is a statement of the work in the different subjects, both required and elective, upon which the college entrance examinations will be based:

English.

Eight Credits

I. *Composition.* The candidate will be required to write a composition upon one of several topics, drawn in 1904 and 1905 from the following works:

Shakspere's *Merchant of Venice* and *Julius Caesar*; *The Sir Roger de Coverley Papers* in the *Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *Princess*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1906, 1907 and 1908 the topics for composition will be drawn from the following works:

Shakspere's *Merchant of Venice* and *Macbeth*; *The Sir Roger de Coverley Papers* in the *Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynett*, *Lancelot and Elaine*, and *Passing of Arthur*; Lowell's *Vision of Sir Launfal*; Eliot's *Silas Marner*.

II. *Careful Study.* A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form, and logical structure, and will also test the candidate's ability to express his knowledge clearly and accurately. The books prescribed for this part of the examination in 1904 and 1905 are:

Shakspere's *Macbeth*, Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

In 1906, 1907 and 1908 the books prescribed for this part of the examination are:

Shakspere's *Julius Caesar*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison* and *Essay on Boswell's Life of Johnson*.

The candidate is expected to read intelligently all the books mentioned in I. He should read them as he reads other books; he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case knowledge of the book will be regarded as less important than ability to write English. As additional evidence of preparation, the candidate may present an exercise-book, properly certified by his instructor, containing compositions or other written work.

While there is no formal examination in grammar or rhetoric, no candidate will be accepted in English, whose work is seriously defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and *a considerable amount of English poetry should be committed to memory.*

Algebra.

Five Credits.

To simultaneous quadratic equations, with special attention to factoring, the theory of exponents, and radicals. The examination will be taken from Wentworth's Higher Algebra.

Plane Geometry.

Four Credits.

All of Plane Geometry will be required for admission to the Freshman class.

United States History.

Three Credits.

The completion of Montgomery's Leading Facts or an equivalent.

General History.

Three Credits.

The completion of Meyers's General History or an equivalent.

History of Greece and Rome.

Three Credits.

The completion of Meyers's History of Greece and Meyers's History of Rome, or equivalent.

English History.

Two Credits.

The completion of some good history of England, like Montgomery's or Larned's.

Latin.

Four Credits.

(a) First Latin Book complete; Text-book: Collar & Daniell, Bennett, or an equivalent.

(b) Caesar and prose composition. Four books of Caesar, with twenty-five lessons in Bennett's Latin Composition, or the equivalent.

Greek.

Four Credits.

(a) The completion of White's Beginner's Greek, or an equivalent.

(b) Three books of Xenophon's Anabasis, with the whole of Collar & Daniell's Greek Prose Composition.

Elementary German.

Four Credits.

The examination will be suited to the proficiency of those who have had the equivalent of German 1 (see page 128 of this catalogue), and will test (a) the candidate's knowledge of the rudiments of German grammar; (b) ability to read easy prose at sight, and (c) to translate simple English sentences into German. The candidate should have read 200 pages of easy prose.

Advanced German.

Four Credits.

The examination will be suited to the proficiency of those who have had the equivalent of German 2 (see page 128 of this catalogue), and will test the candidate's ability (a) to read modern German prose and poetry at sight, and (b) to translate easy English narrative into German. The candidate should have read 370 pages of the works of Riehl, Freytag, Heine, Lessing, Goethe, and Schiller, and thirty pages of lyrics and ballads.

Elementary French.

Four Credits.

The examination will be suited to the proficiency of those who have had the equivalent of French 1 (see page 129 of this catalogue), and will include (a) the translation at sight of ordinary nineteenth century prose; (b) the translation from English into French of sentences to test the candidate's familiarity with elementary grammar. The candidate should have read 300 pages of simple prose.

Advanced French.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of French 2 (see page 129 of this catalogue) and will test the candidate's ability (a) to translate standard French prose and poetry at sight, and (b) to turn easy English prose into French. The candidate should have read 600 pages in the works of such authors as Daudet, Loti, Sandeau, Corneille, Racine and Moliere.

Chemistry.*Two Credits.*

Remsen's Chemistry (Elementary Course), Freer's Elements of Chemistry, or Hessler & Smith's Essentials of Chemistry, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physics.*Two Credits.*

Gage's Elements of Physics, Appleton's School Physics, or Hall & Bergen's Physics, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physical Geography.*Two Credits.*

Davis's Physical Geography, or Gilbert & Brigham's Physical Geography, or an equivalent.

Physiology.*Two Credits.*

Martin's Human Body, elementary course, or an equivalent.

Botany.*Two Credits.*

Gray's Lessons in Botany and Vegetable Physiology, or an equivalent.

Zoology.*Two Credits.*

Packard's Zoology, elementary course, and Boyer's Laboratory Guide, or an equivalent.

Civil Government.*Two Credits.*

McLeary's Civil Government and Arkansas and the Nation, or an equivalent.

Bookkeeping.

Two Credits.

Credits in bookkeeping will be given upon the certificate of the instructor stating the amount of work done, when accompanied by a complete set of practice books in double entry, satisfactorily written up.

Free-hand Drawing.

Two Credits.

Drawings from models and machine parts, or credit may be given on good art drawings.

Shop Work.

Two Credits.

Credits in manual training, carpentry, machine shop, forge shop or foundry will be accepted.

Order of Examinations for Admission in 1904.

Wednesday, September 14.—9 a. m., registration of students; 1 to 3 p. m., Geometry.

Thursday, September 15.—1 to 4 p. m., Algebra.

Friday, September 16.—1 to 4 p. m., Latin.

Saturday, September 17.—9 a. m. to 12 m., English Composition and Literature; 1 to 2:30 p. m., U. S. History; 2:30 to 4 p. m., General History.

The order of examinations in other subjects will be announced at the opening of the University.

Examinations at Places other than Fayetteville.

Students living at a distance from the University may obtain special examinations near their homes if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his indorsement that the examination was properly conducted.

Admission by Certificates.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided, in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. Students from schools regularly accredited to other reputable colleges and universities will be admitted to the Freshman class without examination, provided they present evidence that such schools are duly accredited and that they have completed the work required for admission to the Freshman class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

Admission to Advanced Standing.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing may on the presentation of the proper certificates as to the studies pursued be admitted provisionally to such standing and upon such terms as the faculty may deem equitable in each case.

Accredited Schools.

Any school desiring accredited relations with the University should make application to the accredited school committee. The application should state clearly the textbooks used, the length of the school term and of recitation periods, equipments such as library and scientific apparatus, the names of teachers doing high school work, with their qualifications as shown by education and experience. When this information is received the University will, if it is deemed best, send an officer of the institution or some other competent person to inspect the school; and from the data secured from all sources the University will decide whether or not the school shall be accredited. But as the University has neither funds nor an officer set apart for this purpose, delays may occur in visitation; the authorities, however, will be as prompt in the matter as possible.

The principals of accredited schools should report annually all changes in course of study and teaching force. The University may visit an accredited school or may call for information at any time. Failure to keep the University informed regarding the school may be the occasion of dropping the same from the list. To prepare for Freshman class the course of study should not be less than three years of thirty-six weeks each, based on an elementary course of seven or eight years. The University looks with distrust upon pretentious schools; and, if the course of study announced by a school applying for accredited relations is more than the teaching force can do well, that fact will prejudice the cause of said school.

The University earnestly desires to cultivate friendly and harmonious relations with all other educational institutions of the state, and to add to its list all schools that are doing the required work and that desire to assume the accredited relation.

List of Accredited Schools.

Below is given a list of accredited schools already accredited. New names are added from time to time. No effort is made in the list given below to classify the schools. Some of them do more work than is required for entrance; while others fall short of meeting entrance conditions in one or two subjects. A record is kept by the University of the subjects in which each school is accredited.

Harrison High School.....	Principal, W. H. Watkins.
Bellfonte High School.....	Principal, W. D. Jeter.
Fort Smith High School.....	Principal, B. W. Torreyson.
Little Rock High School.....	Principal, Howard Gates.
Marianna High School.....	Principal, C. L. O'Daniel.
Lonoke High School.....	Principal, A. J. Meadow.
Pine Bluff High School.....	Principal, J. H. Thatch.
Paris (Tex.) High School.....	Principal, J. P. Downer.
Helena High School.....	Principal, S. H. Spragins.
Hot Springs High School.....	Principal, Geo. B. Cook.
Amity High School.....	Principal, S. M. Samson.
Paris Academy.....	Principal, G. S. Minmier.
Dardanelle High School.....	Principal, W. T. Blount.
Eureka Springs High School.....	Principal, C. S. Barnett.
Southwestern Academy, Magnolia.....	Principal, J. M. Williams.
Texarkana High School.....	Principal, W. S. Horton.
Hope High School.....	Principal, J. T. Shipman.
Thompson's Classical Institute, Paragould.....	
.....	Principal, R. S. Thompson.
Fordyce Training School.....	Principal, M. E. Holderness.

Camden High School.....	Principal, H. H. Harper.
Spears-Langford Military Academy, Searcy..	Principal, R. B. Willis.
Van Buren High School.....	Principal, O. O. Florence.
Green Forest Academy.....	Principal, E. C. Cooper.
Arkansas Cumberland College.....	Principal, Edwin H. Tiles.
Springdale High School.....	Principal, M. F. Croxdale.
Salem High School.....	Principal, J. W. C. Gardner.
Batesville Public Schools.....	Principal, T. E. Sanders.
Bentonville Academy, Ouachita.....	Principal, E. R. Wilson.
Mountain Home Academy, Ouachita....	Principal, Louis A. Morton.
Stuttgart High School.....	Principal, G. G. Sampson.
Argenta High School.....	Principal, E. R. Robinson.
Prairie Grove High School.....	Principal, J. H. Caldwell.
Hinemon University High School....	Principal, John W. Shewmake.
Hamburg High School.....	Principal, J. R. McChesney.
Clarendon High School.....	Principal, J. McCullough.
Corning High School.....	Principal, W. W. Henry.
El Dorado High School.....	Principal, Albert F. Riley.
Newport High School.....	Principal, George R. Hopkins.
Arkansas Military Academy.....	Principal, R. C. Hall.

GENERAL INFORMATION.

Selection of Courses of Study.

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the course of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the faculty.

Number of Recitations.

Not less than twelve nor more than sixteen recitations or their equivalent per week, exclusive of military science and tactics, may be taken by B. A. and B. S. students, except by permission of the faculty. These conditions apply to engineering students, except that they may have not more than eighteen recitations a week. Two hours of laboratory, shop or farm work, drawing or sight-reading, are counted equivalent to one recitation. If less than twelve recitations or their equivalent per week are specified in any course studies must be elected to make up the deficiency.

Classification of Students.

The satisfactory completion of the work of a class as attested by daily recitations and examinations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies in arrears. But more than six hours per week required for such studies or more than six hours per week omitted from the studies of a given class prevent enrollment therein, except that in the engineering courses the number in both cases may be as many as eight. No student who has more than six hours per week of unfinished preparatory work can be classified as Freshman.

Special Students.

1. Students are advised to pursue, in all cases in which it is practicable, some one of the regular courses leading to a degree. The number of these courses and the liberal provision for electives allow sufficient play for individual preference in the selection of subjects required for a liberal and well-rounded education.

2. Students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the classification committee and with the approval of the professors in charge of the subjects chosen.

3. Persons not less than twenty-one years of age may elect a special course of study under the direction of the faculty, provided they show by examination or otherwise that they are qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

Term Examinations.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations, and are divided into four groups, as follows: "Excellent" (E); "Good" (G); "Fair" (F); "Poor" (P). A grade not lower than "Fair" is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed by the professor in charge of the department to which such study belongs not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take it up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must resume the latter, and if he be found to be overworked, he will be required to drop part of his advanced work.

Appointment of Beneficiaries.

Beneficiary appointments entitle the holders to free tuition. Such an appointment may be obtained from the county judge of the county in which the student resides, or from the president on arrival at the University. The total number of beneficiaries allowed to the state is 1,000, a number that is still in excess of the number of holders of these appointments.

Expenses.

It is the object of the University to give the best possible education at the lowest possible cost. Tuition is free to all students. A matriculation fee of five dollars is charged all candidates for admission. The following estimates are taken from the actual expenses of students for the session of 1901-1902.

	Low.	Medium.	Liberal.
Clothes, including uniform.....	\$ 20.00	\$ 25.00	\$ 45.00
Board, laundry, etc.....	95.00	112.00	135.00
Books, instruments, etc.....	10.00	15.00	15.00
Incidentals	15.00	25.00	35.00
Matriculation fee	5.00	5.00	5.00
	<hr/>	<hr/>	<hr/>
	\$145.00	\$182.00	\$235.00

Fees are payable in advance. Board bills are payable monthly in advance.

A diploma fee of \$5 is charged for all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

Student Labor.

A large part of the student body work during vacant hours to meet part of their expenses.

The legislature has provided a fund known as the "student labor fund," which provides work for deserving young men who need help to meet their college expenses. Considerable manual labor is necessary to carry on the various departments of the University, and students who desire to work are employed when practicable and paid at the rate of ten cents per hour. The requests for work always exceed the amount of money appropriated and the University makes no promises to furnish employment for wages to all who apply.

Board for Young Men.

Rooms in the University dormitories are free, but occupants provide their furniture, fuel, and lights. Students leaving the University frequently sell their furniture at a small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the faculty whenever it is deemed necessary.

Students boarding elsewhere are under the supervision of the president of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the president.

NOTE.—The reception committee of the Y. M. C. A. will meet all trains and assist the incoming students in finding eligible boarding places.

Board for Young Women.

Sufficient funds have not yet been secured to provide a dormitory for young women, but all necessary assistance is rendered them in finding homes in private families in the town. Parents, therefore, who send a daughter to the University, should place her under the control of the family with whom she boards, subject to the general supervision of the president of the University.

Absences and Withdrawals.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son at any time, without reason assigned, is recognized, but without such withdrawal the student cannot be relieved of the obligation to attend to University duties. The incidental absences of students during the session are exceedingly disadvantageous, both to themselves and to the University. While, therefore, the president permits them, in cases where propriety or urgent necessity seems to make them unavoidable, it is held to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the president stating their wishes. No honorable discharge will be given to a student under age who is unable to produce the written application of his parent or guardian for his withdrawal, nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian to his withdrawal from the University.

Sale of Ardent Spirits Prohibited.

By an act of the general assembly of the state of Arkansas, approved March 6, 1875, it is unlawful for any person to sell or give away any vinous or ardent spirits within three miles of the University of Arkansas, unless it be prescribed by a regular practicing physician for medicinal purposes.

The Science Club.

The Science Club is composed of University professors and instructors, and members of the experiment station staff. Meetings are held fortnightly, at which papers, more or less technical, are read and discussed.

The officers for 1903-1904 are as follows:

President, Dr. A. M. Muckenfuss.

Vice President, Prof. A. H. Purdue.

Secretary, Prof. J. H. Reynolds.

The Engineering Club.

This organization is composed of teachers and students of the various branches of engineering in the University. Regular meetings are held, at which technical papers are read and discussed, or experiments performed. The officers for 1903-1904 are as follows:

President, L. B. Bryan.

Vice President, T. C. Treadway.

Secretary and Treasurer, E. W. McAlester.

Literary Societies.

There are three literary societies, the Mathetian, founded in 1873; the Garland, founded in 1886; and the Periclean, founded in 1901. The Mathetian Society is composed of collegiate students of both sexes; the Garland and

the Periclean societies, of male collegiate and preparatory students. The weekly meetings of the three societies afford excellent opportunities for improvement in composition, declamation, debate, etc.

PRIZES.

The William Jennings Bryan Prize.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize named in his honor and consisting of the annual income of this fund will be offered each year, provided productions worthy of its bestowal be presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected in alternate years by the department of economics and sociology and the department of history. The contest will be open to students who have junior or senior standing, more than half of whose work has been of the grade G, and to special students in the collegiate department who have thirty-two hours' credit of a similar grade.

The subject for the year 1904-1905 will be announced in September, 1904. Further details of the plans of competition may be obtained from the professor of economics and sociology. The competitive essay must be submitted by the first of May, 1905.

The Johnson Prize.

Professor W. S. Johnson offers a valuable loving cup to be competed for in an oratorical contest open to the members of the three literary societies.

Prize in the Garland Society.

Instructor G. A. Cole offers a prize to be competed for by the members of the Garland Society. This prize is for the greatest improvement in debate.

Prize in the Periclean Society.

The professor of English and modern languages offers, in memory of General Albert Pike, a prize for the best delivery of a British oration by a member of the Periclean Society.

CHAPEL EXERCISES.

Religious exercises are held in the University chapel every morning at twenty minutes past eight. Students are required to attend.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

Officers.

RAY H. LEGATE, President.

J. P. STEELE, Vice President.

J. W. GARDNER, Recording Secretary.

C. W. WEBB, JR., Corresponding Secretary.

THOMAS ABE COLLINS, Treasurer.

Object. The Young Men's Christian Association is the largest student organization in the University. It stands for higher spiritual life among the members, and for united effort to help others in the attempt to live consistent Christian lives.

Work. The distinctive work of the association consists in promoting individual study of the Bible by means of small classes under student leaders, in arranging various

Bible lecture courses, in maintaining a weekly prayer-service, held on Wednesday night from 6:45 to 7:30, in assisting, through some of its members, the work of the city mission, and in inviting eminent Christian workers to address the students on religious matters.

Bible Study. The Young Men's Christian Association offers the following courses in Bible study, open to all students: (1) Harmony of the Gospels, and Studies in the Life of Christ; (2) Studies in the Life of Paul; (3) The Gospel According to St. Mark. The two courses last named are conducted by student leaders. Efforts are being made to establish classes in the large boarding houses out in town.

Y. M. C. A. Equipment. A room in University Hall, No. 17, is now being used by the association for committee work and incidental business. One of the literary society halls is used for the public services. A movement is on foot to furnish a suite of rooms for association work. These rooms, with the many conveniences they will have, will greatly facilitate the work of the association.

Membership. The membership of the association consists of two classes, active and associate members; any member of an evangelical church, who is in good standing, may become an active member of the association; any young man of good moral character may become an associate member upon payment of the annual dues.

Indorsement. The trustees and the faculty of the University heartily commend the work of the association, and it is earnestly desired that every parent or guardian see to it that the student under his care be encouraged to join the association as soon as he reaches the University.

CHURCHES.

The churches of Fayetteville cordially welcome the students to their Sunday schools and various meetings for prayer and religious instruction. Many students are actively engaged in the work of the different church societies and guilds.

The pastors of the city are actively interested in the spiritual welfare of the students. There follows a list of the local churches and pastors, with the addresses of the latter:

Baptist—Rev. J. E. Denham, 16 N. Locust Street.

Christian (First)—Rev. N. M. Ragland, 215 E. Dickson Street.

Christian (Second)—Rev. John Hinds, Cor. Wall and Cemetery Streets.

Cumberland Presbyterian—Rev. R. Thomsen, 308 St. Charles Street.

Methodist Episcopal—Rev. Mr. Ross, Cor. W. Rock and School Streets.

Methodist Episcopal, South—Rev. E. R. Steel, 309 Highland Avenue.

Methodist Protestant—Rev. J. A. Kilgore, Leverett Street.

Presbyterian—Rev. J. F. Lawson, 4 E. Lafayette Avenue.

Protestant Episcopal—Rev. J. B. Whaling, 354 College Avenue.

Roman Catholic—Rev. W. J. Carroll, 354 N. Willow Street.

Seventh Day Adventist—

ATHLETIC ASSOCIATION.

The purpose of this organization is to encourage the development of the physical man.

The association as originally formed consisted of the U. of A. Athletic Club, the U. of A. Tennis Club, the U. of A. Baseball Club, and the U. of A. Football Club; and it is further provided that if any other club, organized by the students of the University for the practice of any sport, game, or exercise, not already represented by one of the

members of the association, shall make a written application for membership in the association, and the said application shall be approved by the governing body of the association the petitioning club shall become a member of the association with all the rights and privileges pertaining to such membership.

Faculty Rules for the Government of Athletics.

Rule 1. No one shall participate in any sport as a member of a team representing the University unless he be a *bona fide* student doing full work in a regular or special course as defined in the catalogue.

Rule 2. No person shall be admitted to any athletic contest who receives any gift, remuneration, or pay for his services on the college team.

Rule 3. No student shall be permitted to participate in any athletic contest who is found by the faculty to be a delinquent in his studies.

Rule 4. The elections of managers and captains of all athletic teams shall be subject to the approval of the faculty committee on athletics.

Rule 5. Before every athletic contest in which a University team is to be engaged, the captain of such team shall submit to the chairman of the faculty committee on athletics a list of the players eligible under the rules to participate in said contest. It shall be the duty of the captain to exclude all players from the contest except these so certified.

Rule 6. The faculty committee on athletics shall require each candidate for a team to represent the University to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted by the faculty.

Rule 7. No person having been a member of a college athletic team during any year and having been in attendance less than one college half year shall be permitted to play on any athletic team thereafter until he shall have been in attendance six consecutive calendar months.

COMPETITION AMONG THE COMPANIES OF CADETS.

At the competitive drill, held in June, 1903, and participated in by five companies of the corps of cadets of the University of Arkansas, Company E made the highest score. The following is the roll of the officers, non-commissioned officers, and privates who participated in that contest and were members of the company at that time:

COMPANY "E"

Captain, Austin, R. L.

First Lieutenant, Wilson, J. R. Second Lieutenant, Gray, C. W.

First Sergeant, Taylor, Rupert.

SERGEANTS.

Chapple, E. W., 2d.

Quarles, T. C., 4th.

Morrow, D. B., 3d.

Martin, R. M., 5th.

CORPORALS.

Mullins, T. C.

Schicker, E. B.

James, J. J.

Mercer, C. F.

PRIVATES.

Baker, G. C.

Barham, H. W.

Boles, A. P.

Bryant, W. C.

Buford, C. H.

Cabe, R. L.

Chase, G. E.

Cubage, J. G.

Reagan, Z. L.

Shelton, W. T.

Skirving, G. W.

Spears, B. W.

Tilman, J. W.

Yarbrough, C. S.

Dalton, C. E.

Frazer, L. R.

Garrett, F. A.

Galloway, S.

Gregg, A. W.

Harvey, Ben.

Henry, A. F.

Lark, W. H.

Jourdan, J. K.

Smith, E. C.

Bishop, J. M.

McCloud, W. D.

Vandever, G. E.

Shivel, O. L.

Captain's Competition.

To Captain R. L. Austin, of Company E, was awarded the sword for being the best drilled captain.

Individual Competition.

To Sergeant G. W. Mullins, was awarded a gold medal for being the best drilled non-commissioned officer.

To Cadet Sandford Stewart was awarded a gold medal for being the best drilled private.

ORGANIZATION OF THE CORPS OF CADETS FOR THE YEAR 1903-1904.

Captain Lanning Parsons, Eighth Cavalry, U. S. Army, Commandant.

STAFF.

Adjutant, Cook, LaRue Jean.
Quartermaster, Bloom, J. R.

Sergeant-Major, Wilson, C. P.
Quartermaster Sergeant, Carter, E. L.

COMPANY "A"

Captain, Phillips, C. O.
CADET LIEUTENANTS.

Risser, T. H.	Leverett, E. V.	Pratt, F. H.
First Sergeant, Jackson, B. O.	Quartermaster Sergeant, Webster, Fay.	

SERGEANTS.

Rowe, P. E.	Sengel, Jerome.
Pratt, D. H.	Kitchens, B. M.

CORPORALS.

Dickinson, W. W.	Reagan, Z. L.
Jordan, Jas. K.	Chase, Guy E.

Dalton, Chas. E.

COMPANY "B"

Captain, Mitchell, Brainard, Jr.
CADET LIEUTENANTS.

Risser, T. L.	Mullins, G. W.	Chapple, E. W.
First Sergeant, Knott, V. P.	Quartermaster Sergeant, Ragland, H. L.	

SERGEANTS.

Barrett, F. B.	Nordmeyer, C. D.
Foreman, C. D.	Dickinson, H. J.

CORPORALS.

Fry, Jos. E.	Harvey, Ben.
Buford, C. H.	Martin, S. F.
McCloud, W. D.	

COMPANY "C"

Captain, Wilson, John R.

CADET LIEUTENANTS.

Stanford, A. F.

Walker, J. W.

Quarles, T. R.

First Sergeant, Croom, C. W.

Quartermaster Sergeant, Beard, A. H.

SERGEANTS.

Gardner, J. W.

Cleveland, G. W.

Cheatham, W. R.

Sadler, D. K.

CORPORALS.

Stanley, T. E.

Wood, J. P.

Slade, C. G.

Taber, H. B.

Mahoney, F. O.

COMPANY "D"

Captain Abercrombie, J. S.

CADET LIEUTENANTS.

Kunz, E. E.

Reves, C. M.

Webb, C. W.

First Sergeant, Schicker, E. B.

Quartermaster Sergeant, Mullins, T. C.

SERGEANTS.

Pope, N. P.

Dunn, R. K.

Grace, George

McKinnon, B. C.

CORPORALS.

Stanley, J. H.

Lowe, Clinton

Andrix, E. R.

Weber, L. W.

Carpenter, Sam.

COMPANY "E"

Captain, Williams, C. X.

CADET LIEUTENANTS.

Messler, R. D.

McGehee, Ben.

Stone, B. J.

First Sergeant, Berry, F. H.

Quartermaster Sergeant, McCrary, E. W.

SERGEANTS.

Byrne, L. R.

Winters, W. L.

Snead, A. L.

Harding, C. T.

CORPORALS.

Black, C. N.

Cabe, R. L.

Cromwell, C. W.

Brunskog, C. W.

Barrett, R.

COMPANY "F"

Captain, Austin, R. E. L.

CADET LIEUTENANTS.

Wood, C. F.

Morrow, D. R.

Carothers, N.

First Sergeant, Mackey, D. E.

Quartermaster Sergeant, James, J. J.

SERGEANTS.

Eason, A. P.

Dickinson, W. E.

Mitchell, J. L.

Smith, E. C.

CORPORALS.

Ford, D. L.

Gregg, A. W.

Boles, A. P.

Garrett, F. A.

Jones, C. W.

BAND.

Chief Musician, Harding, Arthur McC.

Principal Musician, Nelson, Rufus Jerry, Drum-Major, Meyers, Joseph C.

SERGEANTS.

Watkins, G. A.

Mitchell, O. C.

Veazey, N. E.

Plummer, J. R.

CORPORALS.

Feathers, John E., Jr.

Orvell, R. J.

Gorman, H. F. P.

Eason, Tom.

Webster, Wm. V.

Bryant, W. C.

Van Valkenburgh, Wm.

Tyson, Wm. C.

DEGREES.

The following degrees are conferred by the University.

For undergraduate work:

Bachelor of Arts (B. A.).

Bachelor of Science (B. S.).

Bachelor of Civil Engineering (B. C. E.).

Bachelor of Mechanical Engineering (B. M. E.).

Bachelor of Electrical Engineer (B. E. E.).

Bachelor of Mining Engineering (B. Mi. E.).

Bachelor of Chemical Engineering (B. Ch. E.).

Bachelor of Science in Chemistry (B. S. C.).

Bachelor of Scientific Agriculture (B. S. A.).

Bachelor of Music (Mus. Bach.).

For graduate work:

Master of Arts (M. A.).

Master of Science (M. S.).

Mechanical Engineer (M. E.).

Civil Engineer (C. E.).

Electrical Engineer (E. E.).

Chemical Engineer (Ch. E.).

All the courses leading to the different bachelors' degrees are based on four years of collegiate work. The B. A. and B. S. courses are designed to give the student liberal culture; while the engineering courses are technical. The B. A. and B. S. courses are almost entirely elective,

certain safeguards and restrictions being thrown around the student's choice of electives; the technical courses necessarily consist principally of prescribed work.

For the announcements of the several collegiate departments, see pp. 123 to 211.

COURSES OF STUDY LEADING TO THE VARIOUS DEGREES.

B. A. or B. S. Course.

FRESHMAN.

English	*3 Periods.
Mathematics	3 Periods.
A foreign language	3 Periods.
Elective	6 Periods.

SOPHOMORE.

English	3 Periods.
The foreign language pursued in Freshman year	3 Periods.
Some study pursued in Freshman year	3 Periods.
Elective	6 Periods.

JUNIOR.

Elective	15 Periods.
--------------------	-------------

SENIOR.

Elective	15 Periods.
--------------------	-------------

Conditions.

1. 60 points are required for graduation.

2. At or before the beginning of the Junior year the student shall elect a major subject, and 24 periods of the 60 required for graduation shall be subject to the approval of the professor in charge of the major subject. Not more than 18 periods may be taken in any subject, and not more than 36 periods in any group.

3. Candidates for the B. A. degree shall choose their major subject from group I., II. or III., and shall offer not fewer than 9 periods from each of these groups. Not more than 9 periods may be offered from group IV. In the foreign language pursued in the Freshman year the equivalent of two years' work must be offered for admission.

*NOTE.—A period means one recitation per week throughout a college year, or the equivalent in laboratory work.

4. Candidates for the B. S. degree shall choose their major subject from group II. or IV. and shall offer not fewer than 18 periods from one or both of these groups.

5. In the B. A. course the elective work of the Freshman and Sophomore years must include at least 3 periods from each of groups II. and III.

6. In addition to the above requirements, military science and tactics will be required of male students, or whenever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work, will be required of female students.

Groups.

I. English, Latin, Greek, French, German, Spanish, Italian.

II. Mathematics, Astronomy, Chemistry, Physics, Geology, Biology.

III. History, Philosophy, Political Science, Economics, Sociology, Pedagogy.

IV. Mechanical, Civil and Electrical Engineering, Horticulture, Agriculture.

Course in Civil Engineering for the Degree of B. C. E.

FRESHMAN YEAR.

Hours
per week

Mathematics 1, 2.....	5
Chemistry 1.....	3
English 1.....	3
C. E. 8, Lettering.....	2
C. E. 1a, Drawing.....	2

SOPHOMORE YEAR.

Mathematics 4, 5.....	5
C. E. 2, 3, Surveying.....	3
English 2, French, German, or Spanish 1.....	3
Physics 1.....	3
C. E. 1, Descriptive Geometry, first term.....	2
C. E. 4, Highway Construction, second term.....	1
Architectural Drawing, second term.....	1

Courses of Study.

109

JUNIOR YEAR.

Hours
per week

Mathematics 6, Calculus.....	3
M. E. 4, Mechanics and Hydraulics.....	4
C. E. 5, Railroad Engineering.....	2
C. E. 6, Field Practice.....	2
C. E. 8a, Technical Drawing.....	2
*Elective	4
	17

SENIOR YEAR.

C. E. 15, Field Practice.....	2
C. E. 14, Engineering Laboratory, first term.....	2
C. E. 11, Sanitary Engineering, first term.....	2
C. E. 12, Technical Drawing.....	2
C. E. 13, Waterworks Engineering, second term.....	3
C. E. 9, Masonry Construction, first term.....	2
C. E. 10, Roofs and Bridges.....	4 and 3
Geology 5, Blowpipe Analysis, second term.....	2
*Elective	3
Thesis	15 1/2

Course in Mechanical Engineering for the Degree of B. M. E.

FRESHMAN YEAR.

Hours
per week

Mathematics 1 and 2.....	5
English 1.....	3
Physics 1.....	3
Mechanical Drawing, M. E. 2b.....	2
Shop Work.....	3
	15

SOPHOMORE YEAR.

Mathematics 4 and 5.....	5
Chemistry 1.....	3
Mechanical Drawing, M. E. 2a.....	2
Physics 2 or a language.....	3
Shop Work.....	3

*Electives can only be taken on the approval of the professor.

16

JUNIOR YEAR.

Hours
per week

Mathematics 6.....	3
M. E. 6, Mechanical Laboratory.....	2
M. E. 4, Mechanics.....	4
M. E. 3, and Shop Work.....	5
C. E. 1, first term, E. E. 2, second term.....	2

SENIOR YEAR.

M. E. 5, Steam Machinery.....	3
M. E. 8, Mechanical Laboratory.....	2
M. E. 9, Hydraulic Machinery, first term.....	2
E. E. 12, Electrical Machinery.....	3
E. E. 5, Electrical Laboratory.....	2
Elective	4
Thesis, second term.....	15

All elections to be made subject to approval of the professor of mechanical engineering.

Course in Electrical Engineering for the Degree of B. E. E.

FRESHMAN YEAR.

Hours
per week

Mathematics 1, 2 (Solid Geometry, Trigonometry, Algebra)....	5
English 1 (English Composition).....	3
Physics 1 (General Physics).....	3
E. E. 3a (Drawing).....	2
M. E. 1d, b (Shop Work).....	2

SOPHOMORE YEAR.

Mathematics 4, 5 (Determinants, Analytic Geometry, Spherical Trigonometry, and Calculus)	5
Chemistry 1 (General Inorganic Chemistry).....	3
C. E. 1 (Descriptive Geometry; and E. E. 2, Electrical Measurements)	2
Physics 2 (Electricity and Magnetism).....	3
M. E. 1c, e (Shop Work).....	2

Courses of Study.

111

JUNIOR YEAR.

Hours
per week

Mathematics 6 (Calculus).....	3
French 1, German 1, Spanish 1, or English 2.....	3
E. E. 7 (Dynamo Electric Machinery).....	3
E. E. 5 (Electrical Laboratory).....	2
E. E. 3 (Technical Drawing).....	2
M. E. 4 (Mechanics and Hydraulics).....	4

17

SENIOR YEAR.

M. E. 5 (Steam Machinery—first term and Chemistry 14. Electro-Chemistry, second term).....	3
E. E. 8 (Alternate Current Theory, and E. E. 9, Polyphase Electric Currents)	3
E. E. 6 (Electrical Laboratory).....	2
E. E. 4 (Technical Drawing).....	2
E. E. 11 (Telegraphy and Telephony).....	2
M. E. 6 (Mechanical Laboratory, first term; and E. E. 10, Electric Railways, second term).....	2
Elective	2
Thesis	16

Course in Mining Engineering for the Degree of B. Mi. E.

FRESHMAN.

Hours
per week

Mathematics (Mathematics 1),* Professor Droke.....	3
a. Solid Geometry, first term.	
b. Plane Trigonometry, second term.	
Chemistry (Chemistry 2), Professor Muckenfuss.....	3
Mechanical Drawing (Mechanical Engineering 2), Professor Wilson	2
Descriptive Geometry (Civil Engineering 1) Professor Knoch..	
Drawing (Civil Engineering 1a), Professor Knoch.....	2
Physics (Physics 1), Professor Rose.....	3
English (English 1), Professors Shannon and Davies.....	3

*The parentheses refer to course numbers in the catalogue. The figures to the right indicate the number of hours per week that the course is given. 16

	SOPHOMORE.	Hours per week
General Geology (Geology 2) Professor Purdue.....	3	
Crystallography and Mineralogy (Geology 5) Professor Purdue.	2	
a. Crystallography, first term.		
b. Determinative Mineralogy, second term.		
Algebra (Mathematics 2), Professor Droke.....	3	
Analytical Geometry (Mathematics 4), Professor Droke.....	3	
Analytical Chemistry (Chemistry 3), Professor Muckenfuss....	3	
a. Chemistry 3, first term.		
b. Chemistry 5, second term.		
Surveying (Civil Engineering 2), Professor Knoch.....	3	

	JUNIOR.	
Field Geology (Geology 6), Professor Purdue.....	3	
Mining, Professor (to be appointed).....	6	
a. Excavation, tunneling and shafting; 3 hrs., first term.		
b. Exploration and development of mining property; 3hrs., first term.		
c. Ore dressing and milling; 3 hrs., second term.		
d. General Mining Engineering; 3 hrs., second term.		
Metallurgy and Assaying, Professor Rose.....	3	
a. Assaying, (Chemistry 9) first term.		
b. Metallurgy, (Chemistry 12) second term.		
Electrical Machinery (Electrical Engineering 12), Mr. Treadway.	3	
Drawing (Civil Engineering 8), Professor Knoch.....	8	

	SENIOR.	
Economic Geology (Geology 7), Professor Purdue.....	3	
Mining, Professor (to be appointed).....	4	
a. The Mine Plant, 3 hrs., for the year.		
b. Mine Surveying, 1 hr., for the first term.		
c. Mining Law, 1 hr., for the second term.		
d. Mine Administration, 1 hr., for the second term.		
Mechanics and Hydraulics (Mechanical Engineering 4), Professor Wilson	4	
Thermodynamics (Mechanical Engineering 5), Professor Wilson.	3	
Metallurgy, Professor Rose.....	2	

Course in Chemical Engineering for the Degree of B. Ch. E.

FRESHMAN YEAR.

Hours
per week

Mathematics 1, 2 (Solid Geometry, Trigonometry, Algebra)....	5
Chemistry 1, (General Chemistry).....	3
M. E. 1, b, d, (Shop Work).....	2
M. E. 2 (Drawing).....	2
German (Elementary Course).....	3

SOPHOMORE YEAR.

Mathematics 4, 5 (Analytical Geometry).....	5
Chemistry 3 (Qualitative Analysis).....	4
Geology 5b. (Blowpipe Analysis).....	2
Physics 1 (Elementary Physics).....	3
M. E. 3 (Elementary Machine Design).....	3
M. E. 1, c, e (Shop Work).....	2

JUNIOR YEAR.

Chemistry 5 (Quantitative Analysis) first term.....	5
Chemistry 5 (Quantitative Analysis) second term.....	3
Mathematics 6 (Calculus).....	3
M. E. 4 (Theoretical Mechanics, Mechanics of Materials).....	4
Chemistry 12 (Metallurgy) first term.....	3
Chemistry 9 (Assaying) second term.....	3
E. E. 2 (Electrical Measurements) second term.....	2

SENIOR YEAR.

Chemistry 8 (Theoretical Chemistry) first term.....	3
Chemistry 14 (Electro-Chemistry) second term.....	3
Chemistry 11 (Gas Analysis) first term.....	2
Chemistry 13 (Water Analysis) first term.....	2
C. E. 11 (Sanitary Engineering) first term.....	2
C. E. 13 (Waterworks Engineering) second term.....	3
M. E. 5 (Steam Machinery, Engines, Boilers).....	3
Elective	3
Thesis, second term.....	3

13
19
15
16 1/2
13
64

Special Chemical Course for the Degree of B. S. C.

FRESHMAN YEAR.		Hours per week
Mathematics 1 (Solid Geometry, Trigonometry).....	3	3
Chemistry 1 (General Chemistry).....	3	3
English 1 (English Composition).....	3	3
German 1 (Elementary Course).....	3	3
French 1 (Elementary Course).....	3	3

SOPHOMORE YEAR.		Hours per week
Chemistry 2b (Inorganic Chemistry).....	2	2
Chemistry 3 (Qualitative Analysis) first term.....	4	4
Geology 5b (Blowpipe Analysis) second term.....	2	2
Chemistry 12 (Metallurgy) first term.....	3	3
Chemistry 9 (Assaying) second term.....	3	3
Physics 1 (Elementary Physics).....	3	3
Agriculture 1 (Soils and Farm Crops).....	3	3
M. E. 1 b, d (Founding and Pattern Making).....	2	2

JUNIOR CLASS.		Hours per week
Chemistry 4a (Organic Chemistry).....	4	4
Chemistry 5 (Quantitative Analysis) first term.....	5	5
Chemistry 5 (Quantitative Analysis) second term.....	6	6
E. E. 2 (Electrical Measurements) second term.....	2	2
Chemistry 8 (Theoretical Chemistry) first term.....	3	3
Chemistry 7 (Industrial Chemistry).....	3	3

SENIOR CLASS.		Hours per week
Chemistry 6 (Agricultural Analysis) first term.....	3	3
Chemistry 14 (Electro-Chemistry) second term.....	3	3
Chemistry 11 (Gas Analysis) first term.....	2	2
Chemistry 13 (Water Analysis) first term.....	2	2
Biology 8 (Physiology) second term.....	4	4
M. E. 6 (Laboratory Work).....	2	2
Thesis, second term.....	3	3
Elective, first term.....	6	6
Elective, second term.....	3	3

NOTE.—For the course leading to the degree of Mus. Bach., see the announcement of the Conservatory of Music and Arts.

REQUIREMENTS FOR THE MASTER'S DEGREE.

1. A bachelor's degree from this University or another institution in which the course of study pursued is recognized as fully equivalent.
2. That not less than one year intervene between the conferring of the bachelor's and master's degrees.
3. That a course of study in one major and two minor subjects aggregating, with a thesis, sixteen hours per week be pursued in residence at the University for not less than one year. But graduates of this University may do half their work in absence under the direction of the professors in charge of the subjects chosen, provided that residence at the University during the term preceding final examination for the degree is required.
4. That the major subject covering six hours shall be strictly graduate work, and selected in a department in which all undergraduate work has been previously completed.
5. That the two minor studies aggregating eight hours per week shall be chosen from departments in each of which the candidate has already two years credit, provided that no work credited to the bachelor's degree shall be counted toward the master's degree.
6. A satisfactory thesis in the major subject, the theme of which shall be approved by the head of the department six months before the final examination. For the thesis a credit of two hours shall be given.
7. That the candidate shall hand to the professor in charge of the major subject the thesis on or before the 15th of May. Previous to his final examination the candidate

shall be questioned on his thesis by a committee composed of the professors in charge of the major and minor subjects and a professor of another department to be designated by the faculty.

REQUIREMENTS FOR DEGREES OF C. E., M. E., E. E., OR CH. E.

These courses of study are intended to give additional preparation for those students who have finished an undergraduate course in engineering, for some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow and to present it to the faculty, approved by the instructors concerned. If accepted, it will be subject to change only by the faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above degrees must be submitted to the faculty for approval before the middle of the second term.

These degrees will also be given to graduates in civil, mechanical, electrical and chemical engineering who have been in successful practice of their profession for three years, and who have submitted a satisfactory thesis on a subject approved by the faculty.

Charges. Graduate students pay \$10 for matriculation and registration, \$10 tuition (non-residents, \$5) at the beginning of each session, and \$10 in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent of two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is \$5 in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

COURSES OF STUDY LEADING TO CERTIFICATES.

In pedagogy and mechanical and electrical engineering there are the following courses of study, the completion of which entitles the student to a certificate:

Normal Course.

The certificate of Licentiate of Instruction (L. I.) has been established by the board of trustees as a stamp of one's knowledge of educational principles and proficiency in the art of teaching.

Requirements for the L. I. Certificate.

There are three conditions upon which the certificate of Licentiate of Instruction is granted:

First. To those who receive eight hours' credit in the department of philosophy and pedagogy, subject to the

approval of the professor in charge of that department, and who have as many as thirty hours' credit leading to the B. A. or B. S. degree.

Second. To those who complete the prescribed course for the state certificate. See page 119.

Third. To those candidates for the B. A. and B. S. degrees who elect their major in the department of philosophy and pedagogy.

Requirements for the State License.

*Section 6974 of the Revised Statutes of the State is as follows: "The state superintendent of public instruction shall have power to grant state certificates, which shall be valid for life, unless revoked, to any person in the state who shall pass a thorough examination in all those branches required for granting county certificates, and also in algebra and geometry, physics, rhetoric, mental philosophy, history, Latin, the Constitution of the United States, and of the state of Arkansas, natural history and the theory and art of teaching."

*The S perintendent of Public Instruction puts the following construction on this section.

"State licenses are not granted to inexperienced teachers. Applicants for the same must present satisfactory evidence of having taught successfully at least twenty months.

"State licenses are granted, under the law, *only* on approved examinations conducted by the State Superintendent.

"While the law is silent as to the scope of the examination, naming the subjects only, the following outline will give an idea as to the requirements under the present administration: In algebra, natural history (botany, geology, zoology), physics, an general history, the examination will be on such matter as is comprehended in the average high school text-books on these subjects.

"*Latin*—Grammar and composition; first four books of Caesar; first two books of Virgil; first two orations of Cicero against Catiline, and his essay *De Senectute*—or equivalent readings.

"*Geometry*—Plane geometry, and first two books of solid geometry, including exercises.

"*Rhetoric*—With special reference to the essentials of English composition.

"*Constitution of United States and of Arkansas*—Embracing a study of the origin, subject-matter, and civic relations under the same.

"*Theory and Art of Teaching, Mental Philosophy*—As discussed in works on these subjects.

"Holders of first-grade certificates may not be examined in the common school branches. An average of 80 per cent will be required on all subjects. Below 70 per cent on any subject will be considered a failure thereon."

To meet the provisions of this law, a four years' course has been provided, which includes all the branches on which one is examined for the state certificate, which also leads to the certificate of L. I. (Licentiate of Instruction). As given in the scheme of studies below, the first two years may be done in the high schools or in the preparatory department of the university. The completion of the first two years also entitles one to admission to the Freshman class in the B. A. and B. S. courses.

The hours completed during the third and fourth years are credited on the courses leading to the degrees of B. A. and B. S.

Course Required for the State Certificate.

	Hours per week
FIRST YEAR.	
Arithmetic	2
Algebra	3
English	4
History of United States	3
Latin	4
SECOND YEAR.	
Algebra	2
Plane Geometry	4
English	4
General History	3
Latin	4
THIRD YEAR.	
English, course 1	3
Latin, course 1	3
Mathematics, course 1 (Solid Geometry)	3
Biology, course 1	3
Pedagogy, courses 1, 3, 4	3
FOURTH YEAR.	
English, course 2	3
History (elective)	2
Physics, course 1	3
Pedagogy, courses 5, 6, 7, 8	5
Singing and Drawing	2

Mechanic Arts Course.

This course of two or three years, according to the preparation of the student, is designed to meet the wants of two classes of young men:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to the collegiate classes, and do not wish to become candidates for a degree.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with all its branches, and acquire proficiency in some chosen one. The time spent in the drawing room will enable the student to make and understand the machine drawing.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design, and steam machinery, as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate of proficiency will be given on the completion of the course.

Course Required for Certificate.

FIRST YEAR.		Hours per week
Mathematics, second year preparatory.....	6	6
English, first or second year preparatory.....	4	4
Drawing, M. E. 2.....	3	3
Shop Work	3	3
SECOND YEAR.		
M. E. 4a, Mechanics and Hydraulics.....	3	3
Physics 1	3	3
M. E. 2, Mechanical Drawing.....	4	4
Shop Work	6	6

	Hours per week
THIRD YEAR.	
M. E. 3 and 5, Machine Design and Steam Machinery.....	5
M. E. 6, Mechanical Laboratory.....	2
E. E. 12, Electrical Machinery.....	3
E. E. 5, Electrical Laboratory.....	2
Shop Work	3

***Short Course in Electrical Engineering.**

This two years' course is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary, than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice in the shortest possible time.

This course prepares students for practical work, such as constructing, operating, superintending or managing lighting, power or manufacturing plants. It does not lead to a degree, but a suitable certificate will be given on completion of the work.

FIRST YEAR.	
E. E. 1 (Electrical Engineering).....	5
E. E. 3a (Drawing).....	2
M. E. 1d, b (Shop Work).....	3
Mathematics (First Preparatory Algebra).....	3
Elective	3

SECOND YEAR.	
E. E. 12 (Electrical Machinery).....	3
E. E. 3 (Technical Drawing).....	2
E. E. 5 (Electrical Laboratory).....	2
M. E. 5a (Steam Engines and Boilers).....	3
M. E. 1c, e (Shop Work).....	3
Elective	3

*Candidates for this course should be at least 16 years old and have a fair knowledge of the common school branches, especially arithmetic.

Teachers' Nonresident Courses.

The University offers special opportunities to all teachers in Arkansas. It will admit them to its regular examinations for admission to the Freshman class, or will send the examination questions to county examiners, who will submit them to teachers under the usual rules, and return answers to the University. Teachers who pass the required entrance examinations may then matriculate and enter upon non-resident courses of study under the direction of the University professors; and, upon completion of one term's work in any branch, they will be examined upon said work and credited with it, if it comes up to the University standard.

After finishing three-fourths of the course for a bachelor's degree, such teacher-students may graduate by completing the course as regular resident students.

Non-resident study is pursued under disadvantages, and none but energetic and methodical persons, who are willing to practice much self-denial, can succeed in such work. Such courses of study are in many respects less thorough than study under regular instruction at the University. Yet thousands of persons who cannot attend college regularly are thus educating themselves; and the self-reliant habits of study and investigation acquired by successful work of this kind are of untold value.

Teachers accepting this offer must obtain not less than two credits (two subjects passed for one term, or one subject for two terms), each year; else their names will be dropped from the rolls. Teachers whose vacation occurs during the session of the University may supplement their non-resident study by attending the regular classes.

*DESCRIPTION OF COLLEGIATE COURSES.

ANCIENT LANGUAGES.

J. C. FUTRALL, Professor.

Latin.

1. CICERO'S ORATIONS AND VIRGIL (3)—An accurate knowledge of the Latin forms is insisted upon; Bennett's Latin Prose Composition throughout the year. *For Freshmen*. M. W. F. 1; M. W. F. 2.

2. CICERO AND LIVY (3)—Cicero's *de Amicitia et de Senectute*; Livy, Book II. or III. Systematic study of the grammar; exercises in prose composition, based chiefly upon the authors read in class; sight reading; Roman literature. *For Sophomores*. M. W. F. 3.

3a. PROSE COMPOSITION (1)—The translation of connected passages of idiomatic English into idiomatic Latin. *Prerequisite: Course 2*. W. 4.

4. HORACE AND TACITUS (2)—Horace, Odes and Epodes; Tacitus, *Annals*; parallel and sight reading; the metres of Horace. *Prerequisite: Course 2*. T. 3; F. 4.

5. ROMAN POETS (3)—Readings will be taken from Plautus, Terence, Catullus, Horace, Juvenal, and others, and the attention of the student will be directed rather to the literary side of the authors read than to grammatical and syntactical peculiarities. The metres of Plautus and Terence will be carefully studied. Course 5 may be taken twice and counted towards a degree, as the readings will be changed in successive years. *Prerequisite: Courses 3a and 4*.

Text-books. Bennett's and Gildersleeve's Grammars; Wilkins' *Primer of Roman Literature*; Cruttwell's *Roman Literature*. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. Lexicons: Harper, Lewis, White.

*The number to the left of the description of a course is the number of the course; the number to the right is the number of hours per week that the course is given. In general two hours of laboratory work are considered as the equivalent of one hour of recitation. Thus a course that has two hours per week of recitation work and two hours of laboratory work is a three hour course. Unless the contrary is stated in the description of a course, all courses run throughout the year.

Greek.

1. ELEMENTARY COURSE (3)—White's Beginner's Greek Book, with selections for reading. A thorough mastery of the forms and constructions given in this book is required. *For Freshmen.* M. T. Th. 4.

2. XENOPHON AND LYSIAS (4)—This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar. *For Sophomores.* M. W. Th. F. 1.

3. HOMER AND PLATO (3)—Systematic study of the grammar; prose composition; Greek literature; sight reading. *Prerequisite:* Course 2. T. Th. 1; M. 4.

4. THUCYDIDES AND THE DRAMA (3)—This course will be conducted on the same plan as Latin 5. *Prerequisite:* Course 3.

Text-books: Goodwin's Revised Greek Grammar; Goodwin's Greek Modes and Tenses; Pearson's Prose Composition; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH AND MODERN LANGUAGES.

J. W. CARR, Professor.

E. F. SHANNON, Associate Professor.

MISS H. B. DAVIES, Adjunct Professor.

English.

1. ELEMENTARY COMPOSITION (3)—A. S. Hill's Principles of Rhetoric (revised and enlarged edition), Matthews's Introduction to American Literature, Halleck's History of English Literature. Recitations, weekly impromptu themes, based upon the assigned reading, and other written exercises, memorizing of Gray's Elegy, Goldsmith's Deserted Village, Dryden's Alexander's Feast and Song for St. Cecilia's Day; and assigned reading as follows:

American Literature. First Term.

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publishers' Price, Postpaid.
Sept. 27	Franklin	Autobiography	Cassell & Co.	.10
Oct. 4	Irving	Knickerbocker's History of New York, Vol. I.	Cassell & Co.	.10
Oct. 11	Irving	Knickerbocker's History of New York, Vol. II.	Cassell & Co.	.10
Oct. 18	Cooper	The Spy	Baker & Taylor Co, N. Y.	.18
Oct. 25	Bryant	Thanatopsis, etc.	Riverside, 54	.15
Nov. 1	Emerson	The Fortune of the Republic, and other American Addresses	Riverside, 42	.15
Nov. 8	Thoreau	The Succession of Forest Trees, etc.	Riverside, 27	.15
Nov. 15	Hawthorne	Tales of the White Hills, etc.	Riverside, 40	.15
Nov. 22	Webster	The First Bunker Hill Oration; and Adams and Jefferson	Riverside, 56	.15
Nov. 29	Whittier	Snow Bound, Among the Hills, Songs of Labor, etc.	Riverside, 4	.15
Dec. 6	Longfellow	Hiawatha, Part I.	Riverside, 13	.15
Dec. 13	Longfellow	Hiawatha, Part II.	Riverside, 14	.15
Dec. 20	Lowell	Democracy, etc.	Riverside, 123	.15
Jan. 3	Holmes	Grandmother's Story of Bunker Hill Battle, etc.	Riverside, 6	.15
Jan. 10	Poe	The Raven, The Fall of the House of Usher, etc.	Riverside, 119	.15
Jan. 17	Taylor	Lars, and other Poems	Riverside, 16	.15

Modern English Literature. Second Term.

Jan. 31	Shakspeare	Romeo and Juliet, Acts I and II.	Cassell & Co.	.10
Feb. 7	Shakspeare	Romeo and Juliet, Acts III, IV, and V.	Cassell & Co.	.10
Feb. 14	Bacon	Essays, Civil and Moral.	Cassell & Co.	.10
Feb. 21	Milton	Paradise Lost, Books I, II, and III.	Riverside, 94	.15
Feb. 28	Bunyan	Pilgrim's Progress.	Riverside, 109	.15
Mar. 7	Dryden	Palamon and Arcite	Riverside, 125	.15
Mar. 14	Addison	Essays and Tales.	Cassell & Co.	.10
Mar. 21	Pope	Rape of the Lock	Riverside, 147	.15
Mar. 28	Swift	Gulliver's Travels	Riverside, 89	.15
Apr. 4	Goldsmith	The Deserted Village and The Traveller.	Ainsworth, 91	.10
Apr. 11	Johnson	Lives of Addison and Swift.	Cassell & Co.	.10
Apr. 18	Burns	Cotter's Saturday Night, etc.	Riverside, 77	.15
Apr. 25	Scott	The Lady of the Lake	Cassell & Co.	.10
May 2	Macaulay	Essays on Goldsmith and Johnson.	Riverside, 102	.15
May 9	Carlyle	Heroes and Hero Worship.	Cassell & Co.	.10
May 16	Dickens	Christmas Carol.	Ainsworth, 90	.10
May 23	Browning	The Pied Piper of Hamelin and other Poems.	Riverside, 115	.15
May 30	Tennyson	Enoch Arden, etc.	Ainsworth, 92	.10

Publishers' Addresses:—(Maynard) Maynard, Merrill & Co., (Riverside) Houghton, Mifflin & Co., Ainsworth & Co.: all with branches in Chicago, Ill. Cassell & Co. New York City.

The whole class will meet Adjunct Professor Davies in the University chapel every Tuesday at the second period (9:25-10:20 a. m.), for instruction in the history of American and modern English literature. For writing and rewriting themes and for recitations in rhetoric and poetry, the class is divided into five sections, meeting each twice a week as follows:

Section.	Period.	Professor.	Room.
I.....	Th. F. 3	Assoc. Prof. Shannon	U. H. 16
II.....	Th. F. 2	Assoc. Prof. Shannon	U. H. 16
III.....	Th. F. 1	Adjunct Prof. Davies	U. H. 16
IV.....	W. M. 1	Adjunct Prof. Davies	U. H. 19
V.....	W. F. 6	Adjunct Prof. Davies	U. H. 19

2. ADVANCED COMPOSITION (3)—Barrett Wendell's English Composition and Moody and Lovett's History of English Literature. Recitations, lectures, informal discussions, weekly impromptu themes, based upon the assigned reading, long themes (two narrative, two descriptive, two expository, and two argumentative), due one on the third Tuesday of each month from October to May, inclusive, memorizing of Milton's Lycidas, Goldsmith's Traveller, and Burns' Cotter's Saturday Night, and assigned reading, as follows:

English Literature to the XVIII. Century. First Term.

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publishers' Price, Postpaid.
Sept. 27.....		Beowulf.....	D. C. Heath & Co.....	.30
Oct. 4.....		Beowulf.....		
Oct. 11.....	Mandeville.....	Voyages and Travels.....	Cassell & Co.....	.10
Oct. 18.....	Chaucer.....	The Prologue to the Canterbury Tales.....	Riverside, 135.....	.15
Oct. 25.....	Chaucer.....	The Prologue to the Canterbury Tales..... (finished)		
Nov. 1.....	More.....	Utopia.....	Cassell & Co.....	.10
Nov. 8.....	Ascham.....	The Schoolmaster.....	Cassell & Co.....	.10
Nov. 15.....	Sidney.....	A Defense of Poesie.....	Cassell & Co.....	.10
Nov. 22.....	Marlowe.....	The Jew of Malta.....	Maynard, 101.....	.12
Nov. 29.....	Spenser.....	The Shepherd's Calendar.....	Cassell & Co.....	.10
Dec. 6.....	Shakspeare.....	Hamlet, Acts I and II.....	Cassell & Co.....	.10
Dec. 13.....	Shakspeare.....	Hamlet, Acts III, IV and V.....	Cassell & Co.....	
Dec. 20.....	Raleigh.....	Discovery of Guiana.....	Cassell & Co.....	.10
Jan. 3.....	Bacon.....	Advancement of Learning.....	Cassell & Co.....	.10
Jan. 10.....	Milton.....	Paradise Regained and Samson Agonistes.....	Cassell & Co.....	.10
Jan. 17.....	Dryden.....	Discourse on Satire and Epic Poetry.....	Cassell & Co.....	.10

English Literature of the XVIII. and XIX. Centuries. Second Term.

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publishers' Price, Postpaid.
Jan. 31	Addison and Steele	Isaac Bickerstaff	Cassell & Co.	.10
Feb. 7	Pope	Essay on Man	Cassell & Co.	.10
Feb. 14	Swift	The Battle of the Books	Cassell & Co.	.10
Feb. 21	Goldsmith	Plays	Cassell & Co.	.10
Feb. 28	Johnson	A Journey to the Hebrides	Cassell & Co.	.10
Mar. 7	Burke	Essay on the Sublime and Beautiful	Cassell & Co.	.10
Mar. 14	Cowper	Table Talk and other Poems	Cassell & Co.	.10
Mar. 21	Sheridan	The Rivals, and the School for Scandal	Cassell & Co.	.10
Mar. 28	Shelley	Prometheus Unbound	Cassell & Co.	.10
Apr. 4	Byron	Childe Harold	Cassell & Co.	.10
Apr. 11	Scott	Marmion	Cassell & Co.	.10
Apr. 18	Lamb	Old China and other Essays of Elia	Riverside, 79	.15
Apr. 25	Southey	Life of Nelson	Cassell & Co.	.10
May 2	Wadsworth	On the Intimations of Immortality, etc.	Riverside, 76	.10
May 9	De Quincey	Flight of a Tartar Tribe	Maynard, 169	.12
May 16	Macaulay	Essay on Boswell's Life of Johnson	Maynard, 106	.12
May 23	Carlyle	Essays on Goethe	Cassell & Co.	.10
May 31	Tennyson	Idylls of the King	Riverside, 99	.15
Publishers' Addresses:—D. C. Heath & Co.; (Riverside) Houghton, Mifflin & Co.; (Maynard) Maynard, Merrill & Co.; all with branches in Chicago, Ill. Cassell & Co., New York City.				

The whole class will meet Associate Professor Shannon in University Hall, No. 16, every Tuesday at the third period (10:20-11:15 a. m.) for formal lectures on the history of English literature. For writing and rewriting themes and for recitations and informal discussions, the class is divided into three sections, each meeting once a week, as follows:

Section.	Time.	Professor.	Room.
I.	W. F. 1	Assoc. Prof. Shannon	U. H. 16
II.	Th. M. 4	Assoc. Prof. Shannon	U. H. 16
III.	Th. F. 3	Adjunct Prof. Davies	U. H. 19

Required of all Sophomores in the B. A. and B. S. courses. Prescriptive for all others who have completed English 1.

6a. ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (2)—Special attention will be paid to the period beginning with Tottel's Scellany, and ending with the death of Spenser (1557-1599). Prerequisite: English 2. Omitted in 1904-1905. M. F. 6.

ASSOCIATE PROFESSOR SHANNON.

7a. ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (2)—English literature from the death of Spenser to the death of Dryden.

(1599-1700). The introductory work will deal largely with Shakespeare. *Prerequisite: English 2. T. W. 5.*

ADJUNCT PROFESSOR DAVIES.

8. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (2)—English literature from the death of Dryden to the publication of the Lyrical Ballads (1700-1798). *Prerequisite: English 2. M. F. 6. Omitted in 1904-1905.*

ASSOCIATE PROFESSOR SHANNON.

9. ENGLISH LITERATURE OF THE NINETEENTH CENTURY (2)—English literature from the publication of the Lyrical Ballads to the death of Queen Victoria (1798-1901). *Prerequisite: English 2.*

ADJUNCT PROFESSOR DAVIES.

10. OLD AND MIDDLE ENGLISH (1)—A course in the language and literature of the Anglo-Saxon and Middle English periods. Text-books: Smith's Old English Primer, MacLean's Old and Middle English Reader, and Brooke's Early English Literature. *Prerequisite: English 2. Required of Juniors and Seniors whose major is English or English and Modern Languages. Offered in 1904-1905. Th. 4.*

PROFESSOR CARR.

11. CHAUCER (1)—The more important poems of Chaucer will be read. The assigned reading will deal with the history of the English language. *Prerequisite: English 2. Required of Juniors and Seniors whose major is English or English and Modern Languages. Omitted in 1904-1905. Th. 4.*

PROFESSOR CARR

German.

1. ELEMENTARY COURSE (3)—Lange's German Method (in Section I.), Thomas's Grammar (in Sections II. and III.), Wesselhoeft's German Composition; translation of 200 pages of easy German; sight reading; oral exercises.

Section.	Period.	Professor.	Room.
I	M. T. F. 1	Prof. Carr	U. H. 15
II	T. W. F. 4	Assoc. Prof. Shannon	U. H. 16
III	T. W. Th. 7	Assoc. Prof. Shannon	U. H. 16

2. GERMAN PROSE AND POETRY (3)—Selections from the works of modern writers; Wenckebach's German Composition; translation from German into English and from English into German; sight reading; oral exercises. *Prerequisite: German 1. T. W. Th. 6.*

PROFESSOR CARR

2a. SELECTED WORKS OF LESSING, GOETHE, AND SCHILLER (2)—

This course is intended especially to supplement German 2, which is recommended to students who elect only one course in second year German. It is possible, however, to take German 2a and one hour of German 2, the composition work, which is given Tuesday at the sixth period. *Prerequisite: German 1.* W. Th. 1.

PROFESSOR CARR.

3a. HISTORY OF GERMAN LITERATURE TO THE XIX. CENTURY (3)

—*Prerequisite: German 2, or its equivalent.* M. W. F. 3.

PROFESSOR CARR.

3b. MIDDLE HIGH GERMAN AND OLD HIGH GERMAN (2)—Paul's

Mittelhochdeutsche Grammatik and the Nibelungenlied the first term; Braune's Althochdeutsche Grammatik and Lesebuch the second term. This course is intended to supplement German 3a. T. Th. 3.

PROFESSOR CARR.

4a. GERMAN LITERATURE OF THE CLASSIC PERIOD (3)—Careful

study of selected works of Lessing, Goethe, and Schiller, and of their lives and epoch. *Prerequisite: German 2, or its equivalent.* Omitted in 1904-1905.

PROFESSOR CARR.

4b. GOTHIC AND OLD SAXON (2)—Ulfilas the first term and the

Heliand the second term. *Prerequisite: German 2, or its equivalent.* German 4b will alternate with German 3b. Omitted in 1904-1905.

PROFESSOR CARR.

French.

1. ELEMENTARY COURSE (3)—Fraser & Squair's Grammar

(abridged edition); Kuhns's French Reading for Beginners; Halevy's L'Abbe Constantin; Grandgent's Materials for French Composition; sight reading. M. W. F. 2.

ADJUNCT PROFESSOR DAVIES.

2. FRENCH PROSE AND POETRY (3)—Selected works of Malot,

Erckmann-Chatrian, Feuillet, Sandeau, Sand, and Daudet; French Daily Life; Bowen's French Lyrics; Cameron's French Composition; reading at sight; assigned reading. *Prerequisite: French 1.* M. W. 3; F. 4.

ADJUNCT PROFESSOR DAVIES.

4. HISTORY OF FRENCH LITERATURE (3)—Lectures; recitations;

reading of works representative of different epochs, especially of the seventeenth century; written reports. This course will not be given for fewer than three students. *Prerequisite: French 2.*

PROFESSOR CARR.

5a. EIGHTEENTH CENTURY LITERATURE (3) — *Prerequisite: French 2. Omitted in 1904-1905.* PROFESSOR CARR.

6. OLD FRENCH (2)—This course is open only to advanced students of French. PROFESSOR CARR.

Spanish.

1. ELEMENTARY COURSE (3)—Loiseaux's Grammar; Padre Isla's Gil Blas; Loiseaux's Composition; reading at sight. *Omitted in 1904-1905; offered in 1905-1906.* PROFESSOR CARR.

Italian

1. ELEMENTARY COURSE (3)—Sauer's Grammar; Bowen's Reader; De Amicis's Cuore; Snell's Primer of Italian Literature. *Offered in 1904-1905.* This course will alternate with Spanish 1. Tu. W. F. 4. PROFESSOR CARR.

English and Modern Language Groups.

Candidates for the degree of B. A. who select their major subject in the department of English and Modern Languages may choose any one of the five groups of studies mentioned below.

GROUP I. (ENGLISH)—English 1 and German 1 in the Freshman year. English 2 and German 2 and 2a in the Sophomore year. English 5a (or 6), 7a (or 9), and 8 (or 6a), and French 1 in the Junior year. English 6 (or 5a), 9 (or 7a), and 6a (or 8); and French 2 in the Senior year.

GROUP II. (ENGLISH AND MODERN LANGUAGES)—English 1 and German 1 in the Freshman year. English 2, German 2, and French 1 in the Sophomore year. English 5a (or 6), and 7a (or 9), or 8 (or 6a); German 3a (or 4a); and French 2 in the Junior year. English 6 (or 5a), and 9 (or 7a), or 6a (or 8), and French 4a (or 5a), in the Senior year.

GROUP III. (MODERN LANGUAGES)—German 1 and English 1 in the Freshman year. German 2, French 1, and English 2 in the Sophomore year. German 3a (or 4a), French 2, and Spanish 1 (or Italian 1) in the Junior year. French 4 (or 5a) and Italian 1 (or Spanish 1) in the Senior year.

GROUP IV. (GERMAN)—German 1 and English 1 in the Freshman year. German 2 and 2a and English 2 in the Sophomore year. German 3a (or 4a) and 6a (or 7a), and French 1 in the Junior year. German 4a (or 7a) and 7a (or 6a), and French 2 in the Senior year.

GROUP V. (ROMANCE LANGUAGES)—French 1 and English 1 in the Freshman year. French 2, English 2, and German 1 in the Sophomore year. French 4 or 5a, German 2, and Italian 1 (or Spanish 1) in the Junior year. French 5a or 4, and Spanish 1 (or Italian 1) in the Senior year.

MATHEMATICS AND ASTRONOMY.

GEO. W. DROKE, Professor.

B. J. DUNN, Associate Professor.

Mathematics.

1. (a) SOLID GEOMETRY (*first term*) (3)—Beman and Smith's New Plane and Solid Geometry. 2, 3, 4, and 5 periods. M. W. F.

(b) PLANE TRIGONOMETRY (*second term*) (3)—Lyman and Goddard's Trigonometry. *Required of all Freshmen.* 2, 3, 4 and 5 periods. M. W. F.

2. ALGEBRA (2)—Fisher and Schwatt's Higher Algebra. *Required of all Freshmen engineers, elective in other courses.* 3d period Tu., Th. and 5th period M. and Th.

3. ALGEBRA, CONIC SECTIONS (3)—*Sophomore elective in the B. S. and B. A. Courses.* 7th period Tu. W. F.

4. DETERMINANTS, ANALYTIC GEOMETRY (3)—Tanner and Allen's Analytic Geometry. *Required of Sophomore engineers, elective in other courses.* 2d period M. W. F.

5. ALGEBRA (*continuation of Course 2*) SPHERICAL TRIGONOMETRY, CALCULUS (2)—*Required of Sophomore engineers, elective in other courses.* 2d period Tu. Th.

5a. ANALYTIC GEOMETRY (*continuation of Course 3*) (2)—*Junior elective in the B. S. and B. A. Courses.* 3d period Tu. and Th.

6. DIFFERENTIAL AND INTEGRAL CALCULUS (3)—Osborne's Calculus. *Required of Junior engineers, elective for Juniors and Seniors in other courses.* 3d period M. W. F.

8. SPHERICAL TRIGONOMETRY, THEORY OF EQUATIONS, DETERMINANTS (2)—*Junior and Senior elective.* 3d period Tu. Th.

9. ANALYTIC GEOMETRY OF THREE DIMENSIONS, AND DIFFERENTIAL EQUATIONS (3)— Books of reference: C. Smith's and Frost's Solid Geometry, Salmon's Geometry of Three Dimensions. *Senior elective.* 1st period Th., 4th period Tu., 6th period W.

This course may be taken by graduate or undergraduate students.

NOTE—Those who desire to make Mathematics their major subject may select any one of the following groups:

(A) Math. 1 and 2 in the Freshman Year.

Math. 4 and 5 in the Sophomore Year.

Math. 6 and 8 in the Junior Year.

Math. 9 in the Senior Year.

(B) Math. 1 in the Freshman Year.

Math. 3 in the Sophomore Year.

Math. 5a and 6 in the Junior Year.

Math. 9, or 8 and 9 in the Senior Year.

(C) Math. 1 in the Freshman Year.

Math. 3 in the Sophomore Year.

Math. 5a in the Junior Year.

Math. 6, or 6 and 8 in the Senior Year.

Astronomy.

13a. DESCRIPTIVE ASTRONOMY, LECTURES AND RECITATIONS (*first term*) (2) 6th period M. and Th.

14a. SPHERICAL ASTRONOMY (*second term*) (2)—The class in Astronomy has the use of a four-inch telescope, sextant, celestial globe, and other simple instruments. The "laboratory method" of instruction is followed as far as practicable. 6th period M. and Th.

HISTORY AND POLITICAL SCIENCE.

J. H. REYNOLDS, Professor.

The courses in this department are designed to afford general culture, and in addition are essential to those who are looking to law, journalism, politics, ministry or any other public calling. Course 2 is foundation work and should be taken in the Freshman year.

2. (a) MEDIAEVAL HISTORY (*first term*) (3)—This course is designed to give the student a knowledge of the essential contributions of the ancient world to history, of the reorganization of German society upon the basis of Graeco-Roman civilization, and of the rise of the modern states. M. 1, W. 5, F. 1; M. 4, W. 5, Th. 4.

(b) MODERN HISTORY (*second term*) (3)—Beginning where course (a) leaves off, the class will study the great world movements of modern times, such as the reformation, religious wars, absolutism, the struggle for constitutional government in England, the contest for supremacy on the high seas, the French Revolution, and the democratic movements of the nineteenth century. Text-books: Robinson's History of Western Europe and his Readings in European History. *For Freshmen.* W. 5, F. 4.

3a. (a) THE COLONIES (*first term*) (3)—The planting and the growth of English institutions in America; the development of the Federal idea; our breach with England; and the making of our Federal constitution. Largely a library course; charters and constitutional documents as well as the best secondary sources will be studied.

(b) THE FEDERAL PERIOD TO 1875 (*second term*) (3)—The constitutional and political history of the United States will be studied from the organization of the government to the close of reconstruction, emphasizing the growth of political parties, the contest between Federal authority and states' rights, the slavery controversy, and the constitutional results of the civil war and reconstruction. Method of work the same as in course (a).

5a. (a) EARLY ENGLISH INSTITUTIONS (*first term*) (3)—The origin and growth of the more important English institutions, such as the Kingship, Parliament, Privy Council, common law courts, jury system and local government. Period covered from 450 to 1300. While the student should have Feildon's Constitutional History, and Colby's Select Documents, yet free use will be made of both original and secondary sources in the library. Tu. Th. F. 2.

(b) CONSTITUTIONAL HISTORY OF ENGLAND IN MODERN TIMES (*second term*) (3)—After a brief survey of the Tudor period, the class will study more in detail the struggle for constitutional

government in the Stuart period, the history of the cabinet, and the growth of parliamentary government. For method and text-book see course (a). Tu. Th. F. 2.

4a. (a) AMERICAN STATE GOVERNMENTS (*first term*) (2)—A study of the place of the state in our Federal system, of the constitutional law of states, of the structure and workings of American state governments as they exist to-day, and of some of the practical problems now before the states. M. W. 2.

(b) NATIONAL GOVERNMENTS (*second term*) (2)—A study and comparison of the structure and powers of the national governments of England, United States, France, Germany and Switzerland. Special emphasis will be given to the place of the federal system in public law. Text-book: Burgess's Political Science and Constitutional Law and the constitutions themselves. M. W. 2.

6. (a) ELEMENTS OF JURISPRUDENCE (*first term*) (3)—A study of the nature, definition, classification and elementary principles of law. Discussions largely non-technical. Designed to give the essential principles of law needed by every citizen and to introduce the subject to those students who may be looking to the law. M. 3, W. 3, Th. 3.

(b) INTERNATIONAL LAW (*second term*) (3)—A brief sketch of the history of International Law and a study of the principles now considered binding on civilized nations. Some three weeks will be devoted to Parliamentary Law. Text-book: Davis's Elements of International Law. M. W. Th. 3.

7. (a) FEDERAL CONSTITUTIONAL LAW (*first term*) (2)—An introductory study of the nature, principles, and powers of our Federal government as reflected by the written constitution and by judicial decision. Story, Boutwell and Thayer's Cases will be the basis of the course.

(b) MUNICIPAL GOVERNMENT (*second term*) (2)—While the government of our cities is coming to sustain a most vital relation to the public welfare, the American city is notoriously ill-governed. This course will offer an opportunity to study our experience in municipal government, the structure and working operation of typical city governments, and some special municipal problems.

ECONOMICS AND SOCIOLOGY.

CHARLES HILLMAN BROUGH, Professor.

The courses offered in this department are designed to give instruction on problems of current economic, social and civic interest, to prepare students for the duties of citizenship and participation in public life.

1. PRINCIPLES OF ECONOMICS (*both terms*) (3)—Texts: Bullock's Introduction to the Study of Economics and Walker's Advanced Political Economy. M. Tu. W. 1; F. 4.

2a. LAW (*both terms*) (3)—A thorough study is made in this course of the principles of corporation law, the law of contracts, and of the statute law of Arkansas. Texts: Clark on Corporations, Anson on Contracts, and Sandels & Hill's Digest of the Statutes of Arkansas (1894). Tu. 6. Th. 1. F. 1.

3. MONEY (*first part of the first term*) (3)—The principles of money and the history of monetary systems are considered. Texts: Cott's Money and Banking and White's Money and Banking (revised edition). Tu. 2. Th. 2. F. 5.

4. BANKING (*latter part of first term and first part of second term*) (3)—The design of this course is to give instruction in practical banking and an insight into the mechanism of banks. Texts: Fiske's The Modern Bank, and Dunbar's History and Theory of Banking.

8. TRANSPORTATION, ITS HISTORY AND PROBLEMS (*latter part of second term*) (3)—The economics of water transportation, the great lakes, canal systems, and the Mississippi; the evolution of the railroad system, railroad geography, rate-making, State versus private ownership, methods of government control, railroad finances, etc. Lectures, prescribed readings, and use of Railroad Commission Reports. Text: Johnson's American Railway Transportation.

5. TARIFF HISTORY AND PROBLEMS (*first term*)—The theory of protection and free trade, the tariff history of the United States, and the tariff systems of the leading countries engaging in trade

with the United States will be dealt with. Text-book: Taussig's *Tariff History of the United States*. This will be supplemented by lectures and assigned readings in Rabbeno's *America's Commercial Policy* and Laughlin and Willis's *Reciprocity*. M. 4, W. 7.

12. *INDUSTRIAL HISTORY OF THE UNITED STATES (latter part of first term and first part of second term)*—The industrial development of the United States from colonial times will be traced, special attention being given to modern industrial processes and to present resources. Lectures, recitations, special reports, prescribed readings. Text: Wright's *Industrial Evolution of the United States*.

13. *THE TRUST PROBLEM (latter part of second term)*—A comprehensive study will be made of the causes, economies and evils of the modern trust, and a consideration of plans for their proper regulation and control will be given. Lectures and assigned readings. Texts: Jenks's *The Trust Problem*, Meade's *Trust Finance*, the Report of the Chicago Conference on Trusts.

7. *PUBLIC FINANCE (first term)* (3)—The principles and history of taxation, management of public debts, and financial administration will be dealt with. Text: Plehn's *Introduction to Public Finance*. Supplementary reading in Seligman's *Essays on Taxation and Incidence of Taxation*. M. 5, W. 4, F. 3.

14. *FINANCIAL HISTORY OF THE UNITED STATES (first part of second term)* (3)—An investigation of the expenditures, revenues, debts and financial administration of the Federal government. The tariff history, the public land policy, the United States and State banks, and like topics will be studied. Text: Dewey's *Financial History of the United States*.

15. *MUNICIPAL PUBLIC WORKS (latter part of second term)* (3)—A study of the economics of city waterworks, electric light and street railway systems. Text: Whinery's *Municipal Public Works*.

6. **SOCIALISM (first term)* (2)—A study of socialism and social reform, involving a consideration of such practical questions as the government ownership of railroads, the single tax, and co-operation. Text: Ely's *Socialism and Social Reform*. Assigned reading in such works as George's *Progress and Poverty*; Bellamy's *Looking Backward*, etc.

*Offered in alternate years.

11. *ECONOMIC THEORY AND HISTORY (*second term*) (2)—Text: Ingram's History of Political Economy. Assigned reading in Adam Smith, Ricardo, Bohm-Bawerk, and Leon Say.

9. PRINCIPLES OF SOCIOLOGY (*first term*) (2)—This course considers the elements, conditions and theories of social growth and progress. Lectures, and assigned readings. Text: Small and Vincent's Introduction to the Study of Society and Wright's Practical Sociology. Tu. Th. 7.

10. SOCIAL PATHOLOGY (*second term*) (2)—A study of the dependent, defective and delinquent classes, the slum centers, their problems and treatment. Lectures and special reports. Text: Warner's American Charities and Henderson's Dependent, Defective and Delinquent Classes.

CHEMISTRY AND PHYSICS.

A. M. MUCKENFUSS, Professor.

L. H. ROSE, Associate Professor.

Chemistry.

1. GENERAL CHEMISTRY (3)—Class work twice a week, two sections (a and b); parallel work in the laboratory one afternoon throughout the year, four sections (c, d, e and f). Text: Newell. *Required in engineering and other scientific courses. Prerequisite to all other courses in chemistry.* a—M. W. 3; b—Th. F. 2; c—M. 6, 7; d—Tu. 6, 7; e—W. 1, 2; f—Th. 6, 7.

PROFESSOR MUCKENFUSS.

ASSOCIATE PROFESSOR ROSE.

2b. INORGANIC CHEMISTRY (2) to (4)—Lectures and recitations twice a week; optional laboratory work one or two afternoons throughout the year. Text: Holleman; Smith.

PROFESSOR MUCKENFUSS.

3. QUALITATIVE ANALYSIS (3) to (5)—(a) Recitations once per week. (b) Laboratory work two periods per week for engineering students, three or four for scientific students, throughout the year. The object is for the student to understand the methods

*Offered in alternate years.

of separation as well as to follow them correctly. A large number of substances, both simple and complex, are analyzed. Texts: Dennis and Whitelsey; Prescott and Johnson. One or two terms. a—Tu. 3; b—M. 2, 3; T. 1, 2. PROFESSOR MUCKENFUSS.

4a. ORGANIC CHEMISTRY (4)—Lectures and recitations twice per week; laboratory work two afternoons throughout the year. Texts: Holleman; Cohen. M. 1; Tu. 6, 7; Th. 6, 7; F. 4. ASSOCIATE PROFESSOR ROSE.

Courses 2a, 3, 4a, 7, and 12 constitute the second year of chemistry.

5. QUANTITATIVE ANALYSIS—Class work and lectures once per week. Laboratory work 2 to 15 periods per week. Practice in gravimetric and volumetric analysis. This is a necessary third year for those who would become chemists. It is naturally followed in the Senior year by courses 6, 11, 13, or by another year in course 5, in which some special line, such as iron and steel analysis, is pursued. One or two terms. Text: Clowes and Coleman. Tu. 6, 7; Th. 6, 7; F. 1. PROFESSOR MUCKENFUSS.

6. AGRICULTURAL AND FOOD ANALYSIS (3)—This course should be preceded by at least one term of courses 3 and 5. Text: Addyman, Leffmann and Beam. PROFESSOR MUCKENFUSS.

7. INDUSTRIAL CHEMISTRY (2)—Twice per week throughout the year. A study of industries having chemical principles for a basis. Text: Thorp. M. W. 4; F. 2. ASSOCIATE PROFESSOR ROSE.

8. PHYSICAL AND THEORETICAL CHEMISTRY (3)—The former consists chiefly of laboratory work, such as, determination of molecular weights, thermochemical work, measurement of electrolytic conductivity, practice with polariscope and refractometer. The latter is entirely class work. One or two terms. M. W. 3; Th. 1. ASSOCIATE PROFESSOR ROSE.

9. ASSAYING (2) or (3)—Laboratory work, consisting of preparing and testing reagents, making cupels, and assaying samples of furnace and mill products. Text: Ricketts and Miller. Second term. S. 1, 2, 3, 4. ASSOCIATE PROFESSOR ROSE.

10. TOXICOLOGY (1)—Laboratory work once a week throughout the year. A working knowledge of qualitative analysis is a prerequisite.

PROFESSOR MUCKENFUSS.

11. GAS ANALYSIS (1)—Laboratory work once a week throughout the year. This course is designed for technical students.

PROFESSOR MUCKENFUSS.

12. METALLURGY (3)—Three times a week for first term. Text: McMillan. Tu. Th. F. 3.

ASSOCIATE PROFESSOR ROSE.

13. WATER ANALYSIS (3)—Laboratory work one term for civil engineering students. This course should be preceded by one term at least of courses 3 and 5. Text: Mason. M. 2, 3; Tu. 6, 7; Th. 1.

PROFESSOR MUCKENFUSS.

14. ELECTRO-CHEMISTRY (3)—Recitations twice and laboratory work once per week, second term. For Junior electrical engineering studies. Texts: Blount; Luepke. M. W. 3; W. 6, 7.

ASSOCIATE PROFESSOR ROSE.

Physics.

1. ELEMENTARY PHYSICS (3)—Recitations twice, two sections (a and b), and laboratory work, two sections (c and d), once per week throughout the year. Recitations are fully illustrated by experiments. *Required in engineering and other scientific courses.* Text: Gage's Principles. a—M. Tu. 1; b—Tu. Th. 4; c—Tu. 6, 7; d—F. 6, 7.

ASSOCIATE PROFESSOR ROSE.

2a. ADVANCED GENERAL PHYSICS (3)—Lectures twice, and laboratory work, once per week throughout the year. Text: Watson.

ASSOCIATE PROFESSOR ROSE.

3a. HEAT, LIGHT AND SOUND (2) or (4)—Lectures twice per week. Optional laboratory work twice per week throughout the year.

PROFESSOR MUCKENFUSS.

DEPARTMENT OF BIOLOGY.

F. W. PICKEL, Professor.

The courses of this department have been arranged to meet the needs of three classes of students; those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biological science to obtain the technical training necessary for subsequent investigation or for teaching.

1. GENERAL BIOLOGY (3)—This course serves as an introduction to the whole field of biological science, and should be a part of the general education of every student. Types of plants and animals will be dissected and studied in the laboratory and the essential truths of biology emphasized. One recitation and laboratory work, four hours per week throughout the year. Text-book: Parker's Lessons in Biology. M. 7; T. Th. 3, 4.

2. BOTANY (3)—In this course special attention is paid to the morphology, physiology and ecology of plants, but due attention is given, in the second term, to the systematic classification of plants, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Field work, when practicable, will form an important feature of the course. Recitations and laboratory work six hours per week throughout the year. Text-books: Barnes's Plant Life; Chapman's Flora of Southern States. M. Tu. and Th. 5, 6.

3. BOTANY—This course will consist of lectures, assigned readings, and laboratory work in morphology, physiology, or taxonomy. Work and hours arranged after consultation with the head of the department. *Prerequisite: Botany 2.*

4. BACTERIOLOGY (4)—An introduction to the subject and instruction in laboratory technique—the preparation of nutrient media, the characteristics of bacteria, the kind and effects,

isolating and keeping pure cultures, microscopical preparations, the study of bacteria found in soil, in water, and in air; study of pathogenic forms and their relation to disease. One lecture and six hours' laboratory work, first term. *Prerequisite: Chemistry 1, Biology 1.* M. 6, 7; Tu. 7; Th. 6, 7; S. 2, 3.

5. GENERAL ZOOLOGY (3)—A general course in Invertebrate and Vertebrate Morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. Field work, when practicable, will form an important feature of the course. One recitation and four hours' laboratory work per week throughout the year. Text-books: Hertwig's *Essentials of Zoology*; Kingsley's *Comparative Anatomy*. M. 3, 4; W. 5; F. 3, 4.

6. ENTOMOLOGY (4)—Lectures relating to the metamorphosis, anatomy, physiology, and habits of insects. Special importance will be given to beneficial and injurious insects, with remedies for the latter. Laboratory work will consist in the study of typical forms with the aid of the guide. This will be followed with determination of families and practical studies of life histories of insects, and with methods of collecting, breeding, preserving specimens. Two lectures and four hours' laboratory work per week. Text-books: Comstock's *Laboratory Guide*; Harris's *Insects Injurious to Vegetation*. M. 1; F. 1, 2, 5, 6, 7.

7. MAMMALIAN ANATOMY (5)—This course is offered to students intending to study medicine, but is open to any student who has completed course 1 in Biology. It includes a thorough dissection of one of the higher mammals, *e. g.*, the dog, cat, or rabbit; a short course of instruction in histological and embryological methods of technique to acquaint the student with the principles of Histology and Embryology. Two lectures and six hours' laboratory work per week throughout the year. Text-books: Hertwig's *Embryology*; Stohr's *Histology*. M. 1; Th. 6, 7; F. 5, 6; S. 1.

8. PHYSIOLOGY (4)—The physiology of foods, digestion, and nutrition; the blood, circulation, and respiratory mechanism; the excretion, especially analysis of urine; functions of brain and spinal

cord; physiology of nerve and muscle. Two lectures and four hours' laboratory work a week, second term. *Prerequisite:* Chemistry 1; *Elementary Physiology*. F. 6; S. 1, 4.

9. NATURE STUDY (1)—A special course in Nature Study, its aim, method, etc., and systematic science teaching will be offered to students who expect to teach. One lecture per week throughout the year.

GEOLOGY AND MINING.

A. H. PURDUE, Professor.

———, Associate Professor.

2. GENERAL GEOLOGY AND CONTINENTAL EVOLUTION (3)—(a) Structural and Dynamic Geology. Recitations and lectures three times a week. Text: Scott's Introduction to Geology, with outside reading.

(b) Continental Evolution. Lectures, with collateral reading, during a part of the second term, on the evolution of the North American Continent.

3. PRACTICAL GEOLOGY (3)—Field and laboratory work nine hours a week throughout the year, with the construction of geologic maps and sections, topographic maps, and relief maps.

4. PALEONTOLOGY (3)—Laboratory work six hours a week throughout the year, on determination of fossil organisms.

5. CRYSTALLOGRAPHY AND MINERALOGY (3)—(a) Lectures and recitations three hours a week during the first term on the elements of Geometric Crystallography.

(b) Laboratory work (two hours) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. Text: Determinative Mineralogy, Brush. *Required of Seniors in civil engineering.*

6. FIELD AND SPECIAL COURSES (3)—Students electing Geology as a major will be expected to spend sufficient time in the field for the careful, independent investigation of local geological problems, and to present acceptable theses on the work done. Special courses will be arranged for those who wish to elect work in addition to what is required.

7. ECONOMIC GEOLOGY (3)—Lectures, with collateral reading, on the formation, modes of occurrence, uses, and geographic distribution of economic geologic products. Second term. Open to all students who have had Geology 2 and Chemistry 1 or 2.

DEPARTMENT OF PHILOSOPHY AND PEDAGOGY.

W. S. JOHNSON, Professor.

The department of pedagogy was organized by the board of trustees to provide a proper course of study for the teachers of Arkansas.

Its objects are:

1. To increase skill and efficiency in organizations, methods, management, and teaching our rural, or ungraded schools.

2. To qualify teachers for the higher grades of work embodied in the studies necessary for state license.

3. To prepare teachers for professional skill in supervision, either as principals or superintendents.

4. To give increased scope and development to our secondary schools.

5. To elevate and maintain in the state a professional spirit and a higher scholastic standard.

For the normal course, and the conditions under which the certificate of L. I. is granted, see pages 117 and 118.

The graduates of the University are filling acceptably many of the best educational positions in the state and the demand now is greater than the supply. The need of professionally trained teachers is actively increasing, and the facilities heretofore afforded at the University have been enlarged so as to meet the necessity. The normal department

has been well equipped with needful devices, apparatus and library, and the choicest educational literature and reading is daily supplied. The problems of the day are subjects in the regular work of lectures, discussions, and theses. Besides the need of more thorough efficiency in the teaching force in common schools, there is a strenuous demand for superior skill and power in our graded school. The energy of expansion in educational interests, consequent upon the growth of population, wealth and revenues, is manifested by the increase in the number of special school districts and high schools. It is further noticed in improved buildings, equipments and appointments. This higher expression of progressive public sentiment insures the demand for professionally trained teachers—those who understand teaching as a science and an art, and who know the history of education and something of its problems and developments.

1. DESCRIPTIVE PSYCHOLOGY (*first term*) (3)—This course serves as an introduction to both philosophy and pedagogy. The course is open to all students in the collegiate department. The different functions of the mind are studied from the physiological and experimental standpoint. It is intended to make it as concrete as possible—by a study of the nervous system, and by experiments to demonstrate the action and interaction between the mind and nervous tissue. Owing to its pedagogical value students are advised to take this course as early as possible in their college course. Text-books: Buell's "Essentials of Psychology," Gordy's "New Psychology." Section a, M. W. F. 1st period. Section b, M. W. F. 7th period.

2. ART OF TEACHING AND SCHOOL MANAGEMENT WITH SPECIAL REFERENCE TO PRIMARY SCHOOLS (1)—This course serves as a general introduction to teaching and school management. It is open to all students of the University—both preparatory and

collegiate. It is especially designed for those students who teach during the vacation, or who expect to teach for only a short time.

The course will consist entirely of lectures and round-table discussions. Students may attend these lectures without enrolling as members of the class. Text-books: Page's "Theory and Practice of Teaching," Baldwin's "Art of School Management." Section a, Th. 8th period. Section b, F. 8th period.

3. **METHODS** (2)—The methods discussed are based on psychology. The broader generalizations of the science of education are studied, and the student learns to apply the principles of psychology to the work of teaching. This is a very practical course. During the first term the "Methods of the Recitation" is studied, the "General Methods," during the second term. Students may enter the second term. Text-books: McMurry's "General Methods" and "Method of the Recitation." Tu. Th. 1st period.

4. **HISTORY OF EDUCATION** (*second term*) (3)—This course includes a study of the educational systems and methods of ancient, mediaeval, and modern nations; lives and theories of educational reformers; growth of education in the United States and in the state of Arkansas. Text-books: Boone's "History of Education in the United States," Compayre's "History of Pedagogy," Lives of Pestalozzi and Horace Mann, Arkansas School Law. Tu. Th. F. 5th period.

5. **EDUCATIONAL PSYCHOLOGY** (*first term*) (3)—This course applies the principles of psychology to the schoolroom. It deals with the child as an educable being. It treats in minute detail the sources of interest; the characteristics of imitation, heredity, attention, memory, imagination, emotions, will, and character. Recitations, lectures, assigned readings and reports. Text-books: Dexter and Garlic's "Psychology in the Schoolroom," Hinsdale's "Art of Study." *Prerequisite:* Course 1. M. W. F. 2d period.

6. **CHILD STUDY** (*second term*) (3)—In this course it is intended to make a practical application of the principles studied in course 5 by studying the characteristics of children as seen in the schoolroom, at home, and on the playground. Some one child

is to be studied, and a thesis is to be presented on these observations. Lectures, assigned readings, reports and round-table discussions. Topics will be assigned and references made to pedagogical library. *Prerequisite: Course 5. M. W. F. 2d period.*

7. SCHOOL ADMINISTRATION AND SUPERVISION (*first term*) (2)—This course discusses matters of practical school organization and management, as observed in cities, towns and country districts. Such subjects are discussed as school revenues and expenditures, school sanitation and decoration, course of study, duties of superintendent and teachers in relation to school and community, philosophy of government, etc. Text-books: King's "School Interests and Duties," Spencer's "Education," Report of Committee of Fifteen, School Sanitation and Decoration. Tu. Th. 2d period.

8. PRIMARY METHODS (*second term*) (2)—This course consists of lectures and round-table discussions on methods of teaching the common school branches. It is intended to suggest practical methods of presenting these subjects to children. Plans for teaching some topic in each of the common school branches will be required. Practice teaching will also be required. Text-books: McMurry's "Special Methods in Geography," etc.; Roark's "Methods of Education." *Prerequisite: Course 3. Tu. Th. 2d period.*

9. LABORATORY METHODS IN EDUCATION (*first and second terms*) (3)—This course is intended to give the student some practical experience in methods of teaching and school management. The student will be required to teach some common school subject in the practice school under the supervision of the instructor. At the close of the school day, students and instructor will meet together in a general critique, when the methods of teaching the subject will be thoroughly discussed. This course emphasizes the art side of education—the ability to do. This course may be taken either term. *Prerequisite: First term, of Course 3.*

10. ABNORMAL PSYCHOLOGY (1)—This course is designed to supplement course 1 and to discuss especially the physiological conditions and mental phenomena of sleep, dreams, hypnotism, somnambulism, sanity, insanity, illusions, hallucinations, mind-reading, etc. This, as well as course 1, will be especially valuable

to those students who expect to study law or medicine. It is intended to throw light on many of the peculiarities of mental life as exhibited in mankind. Lectures, discussions, and recitations. Text-books: Moll's "Hypnotism," M. de Manaceine's "Sleep," Parish's "Hallucinations and Illusions," Lombroso's "The Man of Genius." M. 6th period.

11. LOGIC (*second term*) (2)—This and course 12 are combined and should follow course 1. Text-book: Creighton's "Introductory Logic." Reference books: Hyslop, Mills, Bain, Hamilton. *Prerequisite: Course 1.* Section a, M. W. F. 1st period. Section b, M. W. F. 7th period.

12. ELEMENTS OF ETHICS (*second term*) (1)—Comparative Ethics. The bearing on the moral standing of the theories of Evolution, Sociology, Biology, Economics and Political Economy, as applied to real life. Text-books: Mackenzie and Seth. Reference books: Martineau, Jenet. *Prerequisite: Course 1.*

13. INTRODUCTION TO PHILOSOPHY (2)—This course is designed to present in an elementary way the principal philosophical problems. It may properly be taken by all who desire an acquaintance with philosophy as a means of culture.

Emphasis will be laid upon the philosophy of life and of conduct in connection with the discussion of problems in Ethics, Aesthetics and the Philosophy of Religion. The problems will also be studied from the historical standpoint, which will involve the study of some of the theories of philosophical writers. Text-books: Paulsen's "Introduction to Philosophy," Bowne's "Theory of Thought and Knowledge," Knight's "Philosophy of the Beautiful." *Prerequisite: Course 1.* Tu. Th. 7th period.

14. PRINCIPLES OF EVOLUTION (*first term*) (2)—A discussion of the underlying facts, the methods of scientific research, and the philosophical problems upon which the modern philosophy of evolution is founded.

This course will consist of lectures and study of text-book.

MECHANICAL ENGINEERING.

B. N. WILSON, Professor and Superintendent of Mechanic Arts.

T. C. TREADWAY, Adjunct Professor and Assistant Superintendent of Mechanic Arts.

W. A. HARDING, Machinist.

Two courses are offered, a four-year course leading to the degree of B. M. E. (see p. 109), and a short course of two or three years (see p. 120), depending on the preparation of the student.

While the major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course provides for instruction in English and the modern languages, and offers electives that may be taken in other than technical subjects.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of the engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical application of the truths and theories taught in the class room, a large part of the time being devoted to shop work, drawing and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the second term of the senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

1. SHOP WORK (*hours as assigned*)—(a) Woodworking. Principles of carpentry and joinery; exercises in wood turning. (b) Founding. Green sand moulding; melting and pouring brass and

iron. (c) Forging. Management of fire; drawing and welding; riveting and tempering; case hardening and annealing. (d) Patternmaking. Practice in making patterns; care and use of woodworking machinery. (e) Ironworking. Chipping, filing, turning, planing, drilling, grinding; erection of machinery. (f) Advanced work in any of the above courses.

2. MECHANICAL DRAWING (2) or (4)—Lettering, geometrical drawing; copying machine drawings; working drawings from machine parts; tracing; blue printing. M. Tu. 6, 7.

2. (a) MECHANICAL DRAWING—Perspective and isometric drawing intersections, developments, detail drawing, blue printing.

3. MACHINE DESIGN (2) and (3)—Kinematics of machinery; design of gear teeth, cams, link motions, etc. Two hours' recitation per week, first term. One hour's recitation and four hours' drawing per week, second term. M. 4; M. Tu. 6, 7.

4. MECHANICS AND HYDRAULICS (4)—Statistics and dynamics; strength of materials; hydraulics. Four recitations per week for one year. Text-book: *Mechanics of Materials and Hydraulics*, Merriman; *Wright's Mechanics*. M. Tu. W. Th. 1st period.

4a. ELEMENTARY MECHANICS (3)—An elementary course in mechanics and hydraulics. *Prerequisite: Sub. Freshman Mathematics.*

*5. STEAM MACHINERY (3)—Elementary thermodynamics; comparison of types of steam engines, boilers, pumps, etc., valve gears. Text-books: *Steam Engine*, Ewing; *Valve Gears*, Halsey. Three recitations per week for one year. Tu. Th. F. 3.

5a. STEAM ENGINES AND BOILERS (3)—Elementary theory of steam engines and boilers—care and management of same; valve gears. Three hours per week one year. *Prerequisite: Sub. Freshman Mathematics.* Tu. Th. F. 3.

6. EXPERIMENTAL ENGINEERING (2)—Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, weirs, etc.; tests of the materials of construction in tension, torsion, compression, and bending; complete engine and boiler trials. Text-book: *Experimental Engineering*, Carpenter. Four hours' laboratory work per week. W. 5, 6, 7, 8.

*Courses 5 and 5a may be taken for one term.

7. MACHINE DESIGN (4)—Theory of steam and gas engines; problems in steam engine and boiler design. One recitation, three periods of drawing.

8. EXPERIMENTAL ENGINEERING (2)—Advanced work in Engineering laboratory; special investigations.

9. HYDRAULIC MACHINERY (2)—A study of the design, construction and operation of water wheels and pumping machinery. Two recitations per week. Th. 4; F. 2.

10. METHODS OF ICE MAKING; COLD STORAGE (2)—Ice making machinery. Two hours per week for one term.

11. HEATING AND VENTILATING (3)—Principles of ventilation; the different systems of heating, by steam, hot water, and air; specification. Three hours per week for one term.

12. STEAM ENGINEERING (4)—Mechanical engineering of power plants; selections of machinery for the equipment of power stations; plans and specifications. One lecture and six hours' drawing per week, second term.

13. MACHINERY AND MILL WORK (4)—Discussions of the different methods of distributing power in mill work; considerations controlling the design of the power plant; specifications. One hour lecture and six hours' drawing per week, second term.

14. RAILROAD ENGINEERING (4)—Design and construction of locomotives; repairs for rolling stock; discussion of the problems relating to the mechanical engineering of railroads. One hour lecture and six hours drawing per week, second term.

The department reserves the right to withdraw any course not elected by four or more students.

CIVIL ENGINEERING.

J. J. KNOCH, Professor.

L. B. BRYAN, Instructor.

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in

schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of surveying, applied mechanics, road and railroad engineering, hydraulic engineering, bridge engineering, and sanitary engineering.

Instruction. The work in surveying extends over three years. It embraces land surveying, leveling and United States public land surveys during the sophomore year; topography, railroad reconnoissance and location during the junior year; triangulation and geodesy during the senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go into camp one week for practice in surveying and locating railway lines.

1. DESCRIPTIVE GEOMETRY (2)—Recitation and practice, first term. Text-book: Church's Descriptive Geometry. Engineering Hall; Th. 8:30-9:30. M. 1:30-3:20.

1a. DRAWING (2)—Selection and care of instruments. Drawing geometrical figures, conventional representation of materials, copying and tracing working drawings; and drawing from models. Two afternoons throughout the year. Engineering Hall; Tu. W. 1:30-3:20.

2. SURVEYING (*with* 3) (3)—First, and part of second, term. Care, use, and adjustment of instruments; use of chain, tape, compass, transit, solar attachment, level, sextant, and plane table; land surveying, leveling, contouring, laws, and instructions relating to surveys of the public domain. Text-book: Raymond's. Engineering Hall; M. W. 10:20-11:15.

3. FIELD PRACTICE—Exercises in land, city, and topographical surveying. Two afternoons throughout the year. Th. 1:30-5:00.

4. HIGHWAYS (1)—One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. Text-book: Spaulding's Roads, Streets, and Pavements. Engineering Hall; Th. 8:30-9:25.

5. RAILROAD ENGINEERING (2)—Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards, and turnouts; estimates of earthwork and material used in construction; the economics of railroad location and management. Text-books: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term; Wellington's Economic Theory of Railway Location, second term. Engineering Hall; Tu. Th. 10:20-11:15

6. FIELD PRACTICE (2)—Location of curves, turnouts, and Y's; measurement of embankments and cuts, and computation of volumes. Four hours a week throughout the year. F. 1:30-5:30.

7. RAILROAD SURVEY—One week, twelve hours per day. Actual field practice in reconnaissance, preliminary survey, and location.

8. DRAWING (2)—Lettering titles for maps and drawings. Pen and colored topography. Four hours a week throughout the year. Engineering Hall; Th. F. 11:15-1:35.

8a. DRAWING (2)—Lectures and practice two afternoons a week throughout the year. Shades, shadows, and perspective. Topographical and railroad maps from actual surveys; masonry dams, structural details, and working drawings for designs. Engineering Hall; M. Tu. 1:30-3:20.

9. MASONRY CONSTRUCTION (2)—Two hours per week, first term. Use of lime, and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs, and caissons. Text-book: Baker's Masonry Construction. Engineering Hall; W. Th. 11:15-12:10.

10. ROOFS AND BRIDGES (3)—Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs, and bills of material for a roof truss and railroad bridge. Text-books: Merriman and Jacoby's *Roofs and Bridges*. Parts I, II., and III. Engineering Hall; M. Tu. W. F. 8:30-9:25.

11. SANITARY ENGINEERING (2)—Two hours per week, first term. Calculation and special details of construction of sewers, separate and combined systems of sewerage; purification of sewerage; municipal and domestic sanitation. Text-book: Baumeister's *Cleaning and Sewerage of Cities*. Engineering Hall; W. Th. 9:25-10:20.

12. TECHNICAL DRAWING (2)—Lectures and practice, four hours per week throughout the year. Right and oblique arches; drawings for computations of course 10. Engineering Hall; Tu. W. 1:30-3:20.

13. WATERWORKS ENGINEERING (3)—Three hours per week, second term. Study of systems of water supply; collection, purification, and distribution of water; location of waterworks, with details of estimate of cost, turbines and pumping engines. Text-book: Folwell's *Water Supply Engineering*. Engineering Hall; W. Th. F. 9:25-10:20.

14. ENGINEERING LABORATORY (2)—Two hours per week, first term. Test of strength and other properties of materials of construction; tensile and crushing tests of brick, stone, and cement; flow of water through pipes, elbows, valves, and measurement by means of weirs. Engineering Hall; F. 1:30-5:00.

15. FIELD PRACTICE (2)—Two hours per week, first and second terms. Topographical survey, triangulation, precise leveling, and practical astronomy. Th. 1:30-5:00.

16. CONTRACTS AND SPECIFICATIONS (3)—Elective for Seniors in engineering. Lectures and recitations three times per week. Text-books: Johnson's *Contracts and Specifications*; Wait's *Engineering and Architectural Jurisprudence*. Engineering Hall; M. Tu. W. 9:25-10:20.

ELECTRICAL ENGINEERING.

W. N. GLADSON, Professor.

W. A. TREADWAY, Instructor.

Two courses of instruction are offered. The four years' course, described on page 110, is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of electrical engineering as to furnish a good foundation for the profession.

Theoretical and applied electricity and the mechanics of engineering are naturally the leading subjects.

Theory is amply treated and tested by experiments in well equipped laboratories, thus affording the student a degree of facility in the use of instruments and machines which is acquired only by continued practice. As a requisite for graduation, each candidate must present an acceptable thesis, embodying the results of special study. The subject of such study must lie within the field of electrical engineering. It must be announced not later than the beginning of the second term of the senior year, and be approved by the professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the library as the property of the University.

The short course of two years described on page 121 is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only

the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice in the shortest possible time.

1. ELECTRICAL ENGINEERING (5)—Recitation, lectures, and practice five times a week throughout the year. Installation and operation of electrical machinery; Underwriters' rules; calculations; estimates; specifications, and practical work. Text-book: Management of Dynamos and Motors, by Croker and Wheeler, and Electricity and Magnetism, by Thompson. Engineering Hall; M. F. 3.

PROFESSOR GLADSON.

INSTRUCTOR TREADWAY.

2. ELECTRICAL MEASUREMENTS (2)—Recitations and practice twice a week, second term. Text-book: Electrical measurements, by Carhart and Patterson. Engineering Hall; M. Tu. 3.

PROFESSOR GLADSON.

3. TECHNICAL DRAWING (2)—Lectures and practice two afternoons a week throughout the year. Working drawings or electrical apparatus; wiring plans designed by student. Engineering Hall, 2d floor; M. Tu. 6, 7.

INSTRUCTOR TREADWAY.

3a. DRAWING (2)—Use and care of instruments; copying of mechanical drawings and wiring plans. Drawing of machine parts. Engineering Hall, 2d floor; Tu. W. 6, 7.

INSTRUCTOR TREADWAY.

4. TECHNICAL DRAWING (2)—Lectures and practice four hours a week throughout the year; an extension of course 3, and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student. Engineering Hall, 2d floor; M. Tu. 6, 7.

PROFESSOR GLADSON.

5. ELECTRICAL LABORATORY (2)—One afternoon a week throughout the year. An extended course in magnetic and electrical measurements; current, electro-motive force, and resistance; use and calibration of instruments, voltmeters, and potentiometers; exploration of magnetic fields; dynamo work begun. Engineering Hall, basement; Th. 5-8.

INSTRUCTOR TREADWAY.

6. ELECTRICAL LABORATORY (4)—One afternoon a week throughout the year. This is an extension of course 5, and must be preceded by it. A full experimental course in operating and testing direct and alternate current machines; Photometry transmission, storage, and transformation of electric energy. Special courses given suited to the preparation and object of the student. Engineering Hall, 1st floor; F. 5-8.

PROFESSOR GLADSON.

7. DYNAMO-ELECTRIC MACHINERY (3)—Recitations three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators, and transformers; design, calculations, construction, testing, and operating. Text-book: Thompson's Dynamo Electric Machinery. Engineering Hall, 1st floor; M. Tu. W. 2.

PROFESSOR GLADSON.

8. THEORY OF ALTERNATE CURRENTS (3)—Recitations three times a week, first term. Text-book: Sheldon's Alternate Currents; Machines. Engineering Hall, 1st floor; M. Tu. W. 1.

PROFESSOR GLADSON.

9. POLYPHASE ELECTRIC CURRENTS (3)—Recitations and lectures three times a week, second term. Text-book: Thompson. Engineering Hall, 1st floor; M. Tu. W. 1.

PROFESSOR GLADSON.

10. ELECTRIC RAILWAYS (2)—Recitations and lectures twice a week, second term. Text-book: Electric Railway Engineering, by Trevert. Engineering Hall, 1st floor; Th. F. 2.

PROFESSOR GLADSON.

11. TELEPHONY AND TELEGRAPHY (2)—Lectures and recitations twice a week throughout the year. Text-books: Preece's Telephone and Commercial and Railway Telegraphy, by Abernathy. Engineering Hall, 1st floor; Th. F. 1.

PROFESSOR GLADSON.

12. ELECTRICAL MACHINERY (3)—Recitations three times a week on Direct and Alternate Current Dynamos and Motors; their application to light, power, railway mining, and manufacturing. Text-book: Dynamo Electric Machinery, by S. Sheldon. Engineering Hall, 2d floor; M. Tu. W. 1.

INSTRUCTOR TREADWAY.

AGRICULTURE AND HORTICULTURE.

The course in agriculture or in horticulture leads to the degree of Bachelor of Science. The entrance and graduation requirements with agriculture or horticulture as a major will be found under the general requirements for entrance and graduation on pages 107 and 108. The course for the degree of B. S. A. will be arranged by the professor of agriculture or the professor of horticulture, to whom all students in these subjects should report for classification at the beginning of the year. Students are advised to decide upon their major subjects as early in their college career as possible. This will unify their course and give purpose to all their university work.

Agriculture and horticulture are comprehensive-composite subjects, the principles upon which they are based being derived from a number of sciences. The course in either subject is a university course, with special attention to the sciences as they relate to agriculture or horticulture as a major subject. While in a sense a specialist, the specialist in agriculture or horticulture is less a specialist than in almost any other field. The full course of study, while ultimately practical, is intended to afford a training as broad as any other course, and equal in educational value.

Nearly everyone at sometime or other in life has to do with lands and the planting of trees or gardens, if not for money considerations then for pleasure. Some of the subjects offered in agriculture and horticulture are therefore of value to students in other departments as practical parts of a liberal education. Some of the studies may be included by such students as electives.

The course of instruction aims throughout to give the student a grasp of fundamental principles and at the same time furnish opportunity for observing their practical application to the extent of rendering him independent of mere arbitrary rules of practice. The student is encouraged to discover, plan, and execute for himself, and he is aided in this by his association with specialists in the lines which he is pursuing, and by constant opportunity to observe the farm, orchard, and garden work of the national agricultural experiment station connected with the University.

In addition to the theoretical work the student is expected to acquire a degree of practical skill—to become familiar with the best methods, and the use and care of implements and machinery.

Agriculture.

C. L. NEWMAN, Professor.

1. (a) SOILS—Their origin, classification, properties and relation to animal and plant production; drainage; irrigation; tillage. Three hours per week, first term. M. W. F. 4.

(b) FARM CROPS—Manures and fertilizers; grain crops; hay and pasture crops; root crops; fiber and miscellaneous crops. Three hours per week, second term. *Required of Freshmen in the Agricultural Course.* M. W. F. 4.

2. (a) FARM BUILDING, MACHINERY AND TOOLS—Location, construction, and management of stables, barns, dairies, silos, piggeries, sheepfolds, poultry houses, roads and fences. Farm machinery and tools, water supply. Two hours per week, first term. Tu. Th. 2.

(b) FARM ANIMALS—General discussions of the various animals usually on a farm, their breeding, feeding, care, and the production of feeds for the various classes. Two hours per week, second term. *Required of Sophomores in the Agricultural Course.* Tu. Th. 2.

3. (a) RURAL ECONOMY—General farm management; labor; marketing; transportation. Two hours per week, first term. Tu. Th. 1.

(b) EXPERIMENTS—Records and discussions of experiments conducted by the experiment stations. Two hours per week, second term. *Required of Juniors in the Agricultural Course.* Tu. Th. 1.

4. SPECIAL FARMING—(a) Live stock in general; (b) cattle; (c) swine; (d) sheep and goats; (e) poultry; (f) animal breeding; (g) animal feeding. Each subject two hours per week, first term. *Four hours required of Seniors.* W. F. 3.

(b) (h) Grain crops; (i) cotton; (j) root crops; (k) forage, milking crops and the silo; (l) hay, pasture and green manuring crops; (m) plant breeding; (n) fertilizers and their uses. Each subject two hours per week, second term. *Four hours required of Seniors.* W. F. 3.

Horticulture.

ERNEST WALKER, Professor.

1. (a) PHYSIOLOGY OF PLANTS—A study of the subject from the horticultural standpoint. Fall term, three hours. Tu. Th. F. 3.

(b) THE PRINCIPLES OF PLANT BREEDING—Environment, variation, heredity, cross-pollination, selection, improved varieties, evolution of fruits and vegetables. Spring term, three hours. *Required of Freshmen in the Horticultural Course.* M. W. F. 3.

2. (a) HORTICULTURAL STRUCTURES AND CONVENIENCES—Hot-beds, cold frames, pits, greenhouses, materials, construction, greenhouse heating, ventilation, management, implements. Fall term, two hours. M. W. 2.

(b) PROPAGATION OF PLANTS—The various methods by which plants are multiplied, spores, seed, cuttings, budding, grafting, transplanting. Spring term, two hours. *Required of Sophomores in the Horticultural Course.* M. W. 2.

3. (a) FRUIT CULTURE—Orcharding, viticulture, small fruits with reference to kinds and varieties best adapted to the state, cultivation, marketing, including insects, diseases, spraying and other methods of control. Fall term, two hours. Tu. Th. 4.

(b) VEGETABLE GARDENING—Studies in the growing of the principal vegetables adapted to the state, for home use and market insects, diseases. Spring term, two hours. *Required of Juniors in the Horticultural Course.* Tu. Th. 4.

4. SPECIAL WORK AND PRACTICE—(a) Handicraft. Throughout the year, two hours. (b) *Horticultural literature. Fall term, one hour. (c) Decorative gardening. Spring term, two hours. (d) *Forcing of vegetables and flowers. Fall term, two hours. (e) *Forestry. Fall term, two hours. (f) *Special studies and reports. Spring term, one hour. *At least four hours required of Seniors.* Hours by appointment.

MILITARY SCIENCE AND TACTICS.

CAPTAIN LANNING PARSONS, U. S. A., Professor.

The head of the military department is an officer of the United States army, detailed by the war department for duty at the University.

All male collegiate students are required to take the theoretical course, and all male students over fifteen years of age, not physically disabled, are required to take the practical course in military science, the latter including infantry drill, target practice, camping, guard duty, and various other exercises, the course covering the entire period of the student's stay at the University.

The act of Congress donating public lands for educational purposes requires that institutions which are the beneficiaries of such donations include military science and tactics in their course of instruction.

The system of practical instruction closely follows that used in the United States army. It contains a course of gymnastic exercises for the development and improvement

*Courses marked * open only to third and fourth year collegiate students.

of the arms, chest, legs, hands, and feet. Besides being excellent physical training, this instruction has many advantages mentally. The necessity of being alert, listening for each word of command, and acting promptly on it, quickens the wit and cultivates the habit of fixing the attention and concentrating the thoughts. In addition to all this, it inculcates in the student a respect for authority and discipline which is equalled by no other system.

The cadets are organized into one battalion, composed of field staff, band, and six companies. The officers and non-commissioned officers are selected from those students who are most proficient in their drill and military studies, and most exemplary in their deportment, the captains and lieutenants being taken, usually, from the Senior and Junior classes, and sergeants and corporals from the Sophomore and Freshman classes. An office in one of the battalions is one of merit and distinction, and any unbecoming conduct subjects the appointee to reduction to the ranks.

The cadet band, of some twenty pieces, constitutes an interesting feature of the military organization. It receives the best instruction obtainable, practices three hours per week, and takes part in all military ceremonies.

A competitive drill is held annually at the close of the college year, when prizes are awarded for proficiency in this department.

The three students of the Senior class having the highest grade of merit in this department are reported to the secretary of war, and their names recorded in the adjutant general's office and published in the army register for that

year. The president of the United States, in appointing officers from civil life, gives preference to those whose names are so recorded. Cadet officers on graduation are brevetted in the state guard with the rank held by them in the cadet battalion at the date of their graduation, and recommendations of the commandant of cadets as to special military qualifications of the graduates of the military course.

The following is prescribed as the minimum course of military instruction, practical and theoretical:

Institutions of the Second Class.*

(a) PRACTICAL—Infantry drill regulations, through the school of the battalion in close and extended order; advance and rear guards, and outposts; marches; the ceremonies of battalion review, inspection, parades, guard mounting, and escort of the colors; infantry target practice; instruction in first aid to the injured.

A guard shall be mounted five times (weather permitting) in each week of the school year, and shall be practically instructed for one hour in the posting and relief of sentinels and their duties.

(b) THEORETICAL—The infantry drill regulations covered by the practical instruction; the manual of guard duty; small arms firing regulations, parts I., II., and VII.; the articles of war, with special reference to articles 4, 8, 15, 20, 21, 22, 23, 24, 32, 38, 39, 40, 42, 44, 46, 47, 50, 55, 57, 61 and 65; and the following records: Enlistment and discharge papers, including the descriptive lists; morning reports; field and monthly returns; muster rolls; rosters; ration returns; requisitions; established property returns.

*All institutions established under the act of congress of July 2, 1862, and hence required to include military tactics in their curriculum belong to the second class.

THE PREPARATORY SCHOOL.

HENRY S. HARTZOG, LL. D., President.

INSTRUCTORS.

J. W. KUYKENDALL, Principal, Mathematics.
703 W. Dickson Street.

G. A. COLE, Mathematics.
763 W. Dickson Street.

MRS. E. W. COLE, History and Latin.
763 W. Dickson Street.

MARY A. DAVIS, English and History.
327 Washington Avenue.

MARY W. VAULX, English.
334 N. College Avenue.

ROZEE BENNETT, Mathematics and History.
502 Washington Avenue.

R. E. PHILBECK, Mathematics and Physiology.
200 S. College Avenue.

NAOMI J. WILLIAMS, Latin and History.
607 W. Dickson Street.

Instruction in German, civics, physics, nature study, pedagogy, woodworking, forging and drawing is given by collegiate professors.

This school is maintained: first, to prepare students for admission to the Freshman class in any course in the University; second, to furnish as good an education as practicable to those who do not wish to pursue an extended course; third, to provide a suitable course for those preparing to teach in the public schools who find it impracticable to take the University normal course.

Students seeking to enter the preparatory school should be thoroughly prepared for examination in the subjects required for admission to the class to which they seek entrance.

Requirements for Admission to the First Year Class.

Students desiring to enter the first year class will be examined in the following:

1. *Arithmetic.* The whole of common school arithmetic; an accurate knowledge of the properties of numbers, fractions, measurements, etc., and a good general knowledge of percentage and its applications.
2. *English Grammar.* The fundamental principles of English grammar and composition.
3. *United States History.* The leading facts in American history.
4. *Geography.* The whole of some complete manual of geography.
5. *Spelling and Writing.* Proficiency in these subjects is tested by the examination papers.

Requirements for Admission to the Second Year Class.

Students desiring to enter the second year class will be examined upon the following:

1. *Arithmetic.* A thorough and accurate knowledge of the whole of common school arithmetic.
2. *Algebra.* Academic algebra to simultaneous equations.
3. *English.* English grammar completed, and elementary composition.
4. *History.* An advanced United States history studied with special reference to growth and development.

NOTE.—Students entering after the session has begun will be examined also in the work passed over by their class. Students who hold first grade teachers' licenses and who have had experience in teaching, will be admitted, without examination, to the second year class in the subjects covered by the licenses. Other grades of teachers' licenses and certificates of work done in other schools will be recognized to some extent in classifying students. A student should always bring with him all report cards and certificates of school work.

5. *Latin.* Bennett's Latin Lessons, or its equivalent, and easy sight reading. (Required of those desiring to study second year Latin.)

6. *Physical Geography.* Davis's Elementary Physical Geography or its equivalent. (Required of those desiring to take second year sciences.)

Examinations at Other Places than Fayetteville.

Students living at a distance from the University may obtain special local examinations, if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

Courses of Study in the Preparatory School.

The preparatory school consists of two sub-college classes, and students are required to complete sixteen hours' work in the first year class, and seventeen hours' work in the second year class as a condition of promotion to the University Freshman class. A student, having completed the prescribed preparatory work in any subject, may be admitted to the Freshman class therein, provided no preparatory study is omitted in order to take up the same.

Special courses of study are not advised in the preparatory school, but students known to be in poor health or having physical defects which interfere with their studies, may be permitted by the faculty to defer one or more subjects and extend the course over a longer period.

The classification of preparatory students is governed by the rule stated under "Classification of Students," page 92. Studies in lower classes have precedence of higher ones. Students cannot, therefore, omit studies in the preparatory school and take up collegiate studies except in such cases as may be allowed by the faculty under paragraph 3, page 93.

The completion of thirty-three hours of the following work is required for entrance to the Freshman class in either the B. A. or B. S. course, and twenty-six hours for entrance to the Freshman class in any of the engineering courses.

FIRST YEAR CLASS.		Hours per week
<i>Required Work</i>		12
Arithmetic		2
Algebra		3
English		4
History of the United States and Arkansas		3
<i>Elective Work (selected from the following)</i>		4
Latin		4
German		4
Physical Geography		3
Nature Study		1
Woodwork		2
Forge Work		1
Total	16 hours.	

NOTE.—Students desiring to take the course leading to the B. A. degree must elect either Latin or German in the preparatory classes. Students desiring to take the course leading to the B. S. degree may elect any four hours' elective work in each year. Those desiring to take any of the engineering courses may omit History of Greece and Rome and may elect any four hours of elective work.

	Hours per week
SECOND YEAR CLASS.	
<i>Required Work</i>	13
Algebra	2
Plane Geometry	4
English	4
History of Greece and Rome	3
<i>Elective Work (selected from the following)</i>	4
Latin	4
German	4
Physiology	2
Physics	2
Civics	2
Drawing	2
Total	17 hours.

Teachers' Course.

This course has been arranged for students who do not desire to take a full course at the University and who wish to qualify themselves to teach in the public schools of this state.

	Hours per week
FIRST YEAR CLASS.	
Arithmetic	2
Algebra	3
English	4
History of the United States and Arkansas	3
Civil Government	2
Physiology 2 hours, or Pedagogy 1	3
SECOND YEAR CLASS.	
Algebra	2
Plane Geometry	4
English	4
History of Greece and Rome	3
History of Mediaeval and Modern Europe	3
Pedagogy 3	2

NOTES.—Students desiring to prepare for the normal course (see p. 117), should take the preparatory course with Latin. In this teachers' course, it is intended that the completion of the first year's work will prepare the student for a first grade license and the completion of the second year's work for a professional license.

Detailed Work of Courses.

FIRST YEAR CLASS.

MATHEMATICS, 5.—Higher Arithmetic, text to be selected; Milne's Academic Algebra to Simultaneous Equations.

ENGLISH, 4.—(1) *English Grammar*: Maxwell's Advanced Grammar. (2) *Composition*: dictation; letter writing; class-room themes, one each week, written and rewritten, based on assigned general reading, with especial attention given to spelling, punctuation, paragraphing, and idiomatic expression. (3) *For General Reading*: Irving's Life of Goldsmith; Addison's Sir Roger de Coverley; Lowell's Vision of Sir Launfal; Coleridge's Ancient Mariner. (4) *For Careful Study*: Macaulay's Essay on Addison; Burke's Speech on Conciliation. (5) *For Memorizing*: Coleridge's Ancient Mariner; Lowell's Vision of Sir Launfal.

LATIN, 4.—Bennett's Latin Lessons; Collar's New Gradatim.

GERMAN, 4.—Lange's German Method; Leander's Traumereien; von Hillern's Hoeher als die Kirche; Drei Kleine Lustspiele; Wesselhoeft's Composition.

HISTORY, 3.—United States History (text to be selected), and other texts for collateral study.

GEOGRAPHY, 3.—Davis's Physical Geography.

NATURE STUDY, 1.—Hodge's Nature Study and Life.

WOODWORKING, 4.—Principles of carpentry and joinery; wood turning; cabinet work. Sickel's Exercises in Woodworking.

FORGING, 2.—Management of fire; drawing; welding; riveting; tempering.

SECOND YEAR CLASS.

MATHEMATICS, 6.—Fisher and Schwatt's Secondary Algebra through quadratics. Beman and Smith's Plane Geometry, completed.

ENGLISH, 4.—(1) *Rhetoric*: Hill's Foundations of Rhetoric. (2) *Composition*: Class-room themes, one each week, written and rewritten, based upon assigned general reading, with especial attention given to spelling, punctuation, paragraphing, and idiomatic

expression. (3) *For General Reading:* Tennyson's Princess; Carlyle's Essay on Burns; Shakspeare's Julius Caesar, and Merchant of Venice; Scott's Ivanhoe; George Eliot's Silas Marner. (4) *For Careful Study:* Shakspeare's Macbeth; Macaulay's Essay on Addison; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas. (5) *For Memorizing:* Milton's L'Allegro, Il Penseroso, Comus, and Lycidas, and selections from Shakspeare's Macbeth and Tennyson's Princess.

LATIN, 4.—Four Books of Caesar, or an equivalent; Bennett's Grammar and Exercise Book.

GERMAN, 4.—Riehl's Der Fluch der Schonheit; Freytag's Karl der Grosse; Schiller's Der Geisterseher; Lyrics and Ballads; Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell; Goethe's Hermann und Dorothea; Pol's German Composition.

HISTORY, 3.—Botsford's History of Greece, first term; Botsford's History of Rome, second term.

PHYSIOLOGY, 2.—Hutchinson's Physiology and Hygiene.

PHYSICS, 2.—Gage's Elements of Physics; lectures, laboratory and written work.

PEDAGOGY, 5.—Page's Theory and Practice of Teaching; Baldwin's Art of School Management; McMurry's General Methods; McMurry's Methods of Recitation; Buell's Psychology; James's Psychology.

CIVIL GOVERNMENT, 2.—Willoughby's Rights and Duties of American Citizenship, Arkansas and The Nation, and Johnson's History of American Politics.

FREEHAND DRAWING, 4.—Practice Work; outline drawing from models and machine parts; plan, elevation, and section drawings.

NOTE.—In the preceding courses the figure after each subject indicates the number of hours per week.

CONSERVATORY OF MUSIC AND ARTS.

HENRY S. HARTZOG, LL. D., President.

PAUL SCHMOLCK, *Director*, 314 W. Mountain Street.
Piano, Theory and History of Music.

GERTRUDE CRAWFORD, 212 N. College Avenue.
Voice Culture.

CLARA SCHRADER, Cor. Meadow and East Streets.
Violin, Mandolin and Guitar.

FRANK BARR, 227 N. Maple Avenue.
Band Instruments.

MARTHA H. WHITE, 740 W. Maple Street.
Elocution and Physical Culture.

AMMEE LEVERETT, 924 W. Maple Street.
Art.

For instruction in modern languages see pages 124 to 130 of this catalogue.

Purpose.

The fundamental idea of the management has been to make the Conservatory of Music and Arts complete and thorough in every respect, and to advance the pupils rapidly, yet carefully. In other words, the standard of efficiency must be so high that a certificate of study and ability granted here will possess a value recognized far and wide, and that pupils will choose to study here in preference to going to the great cities.

Special Advantages of Conservatory Instruction.

Aside from the opportunity of instruction by teachers of recognized ability, the advantages of conservatory over private instruction are so manifest that we deem it hardly necessary to enumerate the many points in its favor.

It is almost impossible for the private teacher to give the required attention to the different instrumental branches, as well as the theoretical, such as harmony, counterpoint, composition, ear training, etc., which are absolutely essential

to a thorough musical training; at the same time, the lectures on musical history, the public recitals, as well as the close association of a large number of earnest students, create a certain musical atmosphere which is a great aid and stimulus to increased efforts on the part of pupils.

Recitals.

Especial attention is called to the recitals of both students and faculty, of which a number are given each year, and which have won a reputation for artistic excellence. The advantage derived from these cannot be overestimated.

At the pupils' recitals, which are given at regular intervals, all students are privileged and expected to appear as their talents and advancement may warrant. Not only does this offer them a greater incentive to put forth their best efforts, but it helps them to overcome the nervousness which often mars the performance of students who have not the opportunity of performing frequently before an audience. The recitals given by members of the faculty have attracted especial attention, and, needless to say, are a further aid and attraction to pupils.

Chorus Work.

A large chorus has been organized to which all students are admitted free. Oratorios, cantatas and part songs by the best composers are studied here, which are performed in recitals and concerts during the season and especially at commencement.

Orchestra.

Students of the violin and other orchestral instruments will, as soon as possible, be admitted to membership in the University orchestra, which takes part in all recitals and

concerts. This practice is a decided advantage, as well as a source of pleasure to the student. Students derive great benefit from the orchestral and chorus practice, which is free to all students of the University. The work of the pupils in these branches has elicited the highest commendation.

Piano.

Modern science has accomplished much in advance of older methods in the study of the arm, knuckles, wrist and fingers for touch and technique. By proper attention to details in the outset much disappointment and misdirected effort can be spared. The great value of this training of the wrist, fingers, and arms has been shown in the playing of the greatest pianists, Liszt, Von Buelow, Paderewski, and others, and greater strength for the fingers can thereby be developed, also suppleness and elasticity of the wrist and forearm. The course consists of technical exercises followed by studies by Bertini, Koehler, Heller, Loeschhorn, Czerny, Cramer, Clementi, Moscheles, Kullack, Chopin, Rubinstein, Liszt, etc.; inventions, suites, well-tempered clavichord of Bach, sonatas of Mozart, Haydn, Beethoven; and compositions by Weber, Mendelssohn, Schumann, Chopin, Liszt, Rubinstein, Brahms, etc.

Piano Practice.

Pupils can arrange at very moderate expense to do their daily practicing at University Hall, in case this should prove desirable.

Organ.

Students desiring to study the pipe organ have free use of the two-manual bass-pedal organ in the University chapel. The course includes the following works: Stainer's *Organ Primer*, Ritter's *Organ School*, *The Art of Organ Playing* by W. T. Best, *Pedal Studies* of Schneider. In connection with and following these are used trios and sonatas by Mertel, Rheinberger, Ritter; Mendelssohn's preludes and fugues, sonatas, etc. The modern school of organ playing is represented by Guilmant, Saint-Saens, etc.

Violin and Other String Instruments.

The violin is by many considered the most difficult of instruments and requires careful and conscientious study. So much depends on the beginning. Often a pupil begins study with an inexperienced teacher, or one who does not concentrate his attention on this one most difficult instrument, and consequently falls into bad habits of position, bowing, or technique that make advancement difficult and are in many cases almost impossible to overcome. The pupil is taken from the beginning and carefully brought through the most difficult phases of the violin. In addition to his exercises, he is, as soon as possible, given pieces within his capacity. The course of study includes the following: Hohman's *Practical Method*, Books I-V; F. Wohlfarth, *Op. 45*, Books 1. 2.; *Op. 74*, Books 1. 2.; G. Wichtel, *Op. 20*; *Studies of Mechanic and Expression*; Mazas, *Op. 38*, 12 Duos; Blumenthal, *Op. 68*; 24 *Etudes*; Rud. Freutxer, 42 *Studies or Caprices*; Henry Schradick's *School of Violin Technics*;

Pieces by Vieuxtemps, Dancla, De Beriot, H. Schroeder, Weiss, Tartini, Blumenstengel, Behr, Brahms, Dussek, Durand, Ernst, and others.

Instruction on the guitar includes the following course: Arling Shaefer's "Elite" Method; Winner's, Weisshaupt's, or Carcassi's Methods; pieces by Sousa, Arnold, Weissenburg, Eaton, Ortenstein, P. W. Newton, Rutledge, and others.

For the mandolin are used: Branzoli's Practical Method; Arling Shaeffer's "Elite" Method or Weissenburg's Modern Mandolin Method; pieces by the best modern composers.

Band Instruments.

Students of band instruments may, as soon as possible, be admitted to membership in the University band, which is under the direction of an experienced bandmaster.

Voice Culture.

In this branch special stress is laid on the control of the breath, accuracy of tone, and distinct articulation; next, the development of mind, body, and voice, co-operatively. There is study of intervals, scale building, sight reading. As early as practicable the student is trained in phrasing. Musical expression is artistically developed in harmony with the individuality of the pupil. The exercises used are those best adapted to the needs of the pupil. Songs of the best American, English, German, Italian, and French composers are used according to the progress of the pupil. There is study of opera and oratorio.

For pupils desiring it, normal classes will be formed and a normal course given for the benefit of those who wish to teach in the public schools.

Especial attention is given to concerted work—duets, trios, quartettes, chorus work, and training for membership in the glee club.

Theory of Music.

All students preparing for an artistic career or for that of instructor will find this a very necessary branch. The work in a summary is as follows:

Harmony.

Keys, scales, intervals, formation of the triad, chord connections, and simple part writing, harmonizing basses, including all chords of the seventh and their inversions, altered and augmented chords, suspensions, modulation.

Counterpoint.

Simple counterpoint in two, three, and four parts. Double, triple, and quadruple counterpoint, canon, and fuge.

History of Music.

Classes in this important branch will be arranged. The study of the history of music is necessary for graduation in either vocal or instrumental music.

Sight Reading.

All music students will be given practice in sight reading, which will be a great aid in their regular work, as the ability to read well at sight is of the utmost assistance to the performer in preparing lessons and in accompaniments.

Teachers' Course.

Those desiring to become teachers, will be given special preparation when they are sufficiently advanced in their branches.

Graduation Diplomas and Certificates.

In replying to the many inquiries regarding the period of study required for graduation, it must be said that it is difficult to answer this question, as all depends upon the ability and application of the student. Some will accomplish in one year what it takes others two or three times as long to complete. The term varies from four to six years. A graduate must be able to give acceptably a recital in the chosen branch, besides passing examinations in harmony, and the history of music. Diplomas with the degree of Bachelor of Music are conferred upon graduates. On request, certificates are issued to those finishing a portion of the whole course. As the standard set in this department is that required by the best conservatories of the country, a diploma obtained under these conditions has a meaning.

A fee of \$5 is charged for the diploma.

MUSIC COURSE.

Leading to the Degree of Mus. Bach.

FIRST YEAR.

- 2 hours music lessons.
- 3 hours (6 hours) practice.
- 4 hours English.
- 3 hours U. S. history.
- 3 hours arithmetic.
-
- 15 hours.

SECOND YEAR.

- 2 hours music lessons.
- 3 hours (6 hours) practice.
- 4 hours English.
- 3 hours general history.
- 3 hours elective.
-
- 15 hours.

FRESHMAN.

- 2 hours music lessons.
- 6 hours practice.
- 4 hours elocution.
- 3 hours English.
-
- 15 hours.

SOPHOMORE.

- 2 hours music lessons.
- 6 hours practice.
- 3 hours German 1.
- 3 hours Italian 1.
- 1 hour elective.
-
- 15 hours.

JUNIOR.

- 4 hours music lessons (2 piano or vocal, 2 harmony).
- 6 hours practice (12 hours).
- 3 hours German 2.
- 2 hours elective.
-
- 15 hours.

SENIOR.

6 hours music lessons (2 piano or vocal, 2 harmony, 2 History of Music).

9 hours practice (18 hours).

—

15 hours.

Music students, not desiring to graduate, but merely wishing to accomplish a specified amount of musical work, may have a special course laid out, according to their individual needs. A certificate stating just what they have taken will be given them upon request.

Piano.

List of Music used in the Mus. Bach. Course.

FRESHMAN.

Major and Minor Scales.

Mason's Technics.

Studies by Heller; Loeschhorn; Bertini.

Czerny's School of Velocity Nos. 1, 2.

Sonatinas by Clementi; Kublau; Reinecke, etc.

Graded pieces by classic and modern writers.

SOPHOMORE.

Scale work continued.

Czerny's School of Velocity Nos. 3, 4.

Berens op. 61.

Heller op. 46.

Octave studies.

Selections from Haydn, Mozart, Mendelssohn, etc.

Recitals.

JUNIOR.

Scales in 3ds and 6ths.

Heller op. 16 and 90.

Czerny op. 740 and 409.

Cramer Studies (Von Buelow Edition).

Kullak op. 48.

Selections from Haydn, Mozart, Beethoven, Schumann, Weber, Mendelssohn, Chopin, Liszt, etc.

Harmony (Dr. Stainer's).

SENIOR.

Clementi's *Gradus ad Parnassum*.

Bach, *Well-Tempered Clavichord*.

Chopin, op. 10.

Selections from Beethoven, Weber, Schubert, Mendelssohn,

Chopin, Liszt, Raff, Rubinstein, Scharwenka, Moszkowsky, etc.

Recitals.

Harmony completed.

Counterpoint, Musical Form.

History of Music.

Vocal.

List of Vocal Music used in the Mus. Bach. Course.

FRESHMAN.

Marchesi's individual exercises.

Panofka's *Vocalises* op. 85.

Studies for sight-reading and easy songs.

Piano lessons for accompaniment playing.

SOPHOMORE.

Marchesi's individual exercises.

Panofka's *Vocalises* op. 81.

Concone's *Vocalises* op. 12.

Studies for sight-reading and songs of second grade.

Piano lessons for accompaniment.

JUNIOR.

Marchesi's individual exercises.

Sieber's *Vocalises* op. 94.

Concone's lessons op. 17, and songs of some difficulty, including oratorio.

Harmony (Dr. Stainer's).

SENIOR.

Lamperti's studies in bravura.

Oratorio and operatic arias, and difficult songs in English, French, German and Italian.

Harmony completed.

History of Music.

ART.

AMMEE LEVERETT, Instructor.

(Pupil of Pennsylvania Academy of Fine Arts and the Corcoran Art School.)

Branches Taught.

Drawing oil, water color and pastel from still-life, casts, and life, decorative art, including china painting, wood carving, pyrography, and chalk-plate engraving, in connection with pen and ink drawing.

Regular Course.**FIRST YEAR.**

Charcoal and pencil drawing from casts, still-life, and nature.

SECOND YEAR.

Drawing from casts and life, painting in oil and water-color or pastel from nature and life; sketching out of doors in any medium.

THIRD AND FOURTH YEARS.

Drawing and painting in any medium from life, landscape, and the flat, and studies in composition.

A special course in free-hand drawing and water-color has been arranged for students preparing for public school work.

Students who wish to study decorative oil alone are required to take a short preliminary course in drawing.

ELOCUTION AND PHYSICAL CULTURE.

I. Elocution.

1. PSYCHOLOGICAL DEVELOPMENT OF EXPRESSION.

The mind is trained to appreciate language so as to get all the varying shades of meaning out of it by clear and forcible speaking and to affect the audience as the author intended. The imagination is cultivated, the emotional nature is developed and controlled, and the will is strengthened by learning to follow a train of thought. The effects are naturalness, directness, and repose.

Daily training upon classics from English literature. Vocal and dramatic interpretation of "The Merchant of Venice," "Macbeth," "Hamlet," and "As You Like It." Study and vocal interpretation of "Saul," "Rabbi Ben Ezra," "Abt Vogler," "The Last Ride Together," and "Andrea del Sarto."

2. ORATORY.

A study and delivery of some of the great orations and the methods adopted by the leading orators; Bible and hymn reading; practice on the laws that govern universal art as applied to oratory and original speeches.

3. VOICE.

Lectures on the physiology and hygiene of the voice and the relation of the vital organs to the vocal; the fundamental principles of voice production and its relation to the nervous system. Deep and rhythmic breathing; placing of tones;

projection of tone; development of resonance, flexibility, freedom, smoothness, purity, power; and brilliancy of tone. Voice as an interpreter of mental states and its relation to imagination and feeling.

4. VISIBLE SPEECH.

(Bell's Method) Diagrams and symbols of vowels and consonants. Instruction in forming vowels and consonants from objective ideals. Training the ear to detect all variations in the fundamental sounds. Overcoming individual defects in vocal organs. Clear articulation and perfect enunciation.

II. Physical Culture.

1. GYMNASTICS.

The aim of this department is to develop the body symmetrically and to acquire a normal condition as a basis for health and grace.

Work with gymnasium apparatus. Drill with wands, dumb bells, bars, Indian clubs, "setting-up exercises," marches, and fancy steps. Gymnasium games, including basket ball. Exercises adapted to overcome individual defects. Rhythmic drills given to break lines of limitation and awkward appearance in the body.

The Emerson system of psycho-physical culture, together with other systems, as the Swedish and the Ralston, are used as the individual needs of the pupils require.

2. GESTURE.

The principles of Delsarte are used. Developing the mind to think intelligently on a subject, thereby causing the body to respond properly as an aid to this expression. Right concepts and proper physical drill to develop the whole body harmoniously.

The aim sought in gesture and bodily expression is truthfulness, completeness, unity, and intensity of expression with individuality and originality.

3. LECTURES.

On etiquette, morals, manners, hygienic dress, aesthetic and artistic culture as revealed by nature and art, the relationship of nature and art.

Terms of Tuition.

Owing to the fact that the state provides for the expenses of the music department and a portion of the salary of the instructors, the tuition is far below the usual price paid elsewhere for similar advantages.

One term (18 weeks) two lessons per week—Piano, voice culture, string or band instruments.....	\$22.50
Harmony (in class)	5.00
Use of pianoforte for practice one hour daily.....	2.50
Elocution in classes free to University students.	
Regular art course \$5.00 per month, or \$12.00 per term of three months.	
Teacher's art course, \$1.50 per month.	

All students are required to matriculate with the secretary of the University. The music and art students will pay the regular matriculation fee of \$5 in addition to their tuition.

The tuition is based upon a term of eighteen weeks except when otherwise stated, and these rates do not apply for a less period. Tuition must be paid at the beginning of the term and receipt presented before taking lessons.

Rules and Regulations.

All arrangements must be made at the director's office (University Hall, room 26).

The tuition is payable strictly in advance; a higher rate is charged if paid later.

Pupils may enter at any time, but will not be accepted for less than one term of eighteen weeks.

No deduction can be made for lessons missed by the pupil, but such lessons may be made up within the term.

Pupils are not allowed to take part in public entertainments without the knowledge and consent of the director.

For further information, address the director.

AGRICULTURAL EXPERIMENT STATION.

W. G. VINCENHELLER, Director, 321 Washington Avenue.

R. R. DINWIDDIE, M. D., 518 Leverett Street.

Pathologist and Bacteriologist.

C. L. NEWMAN, M. S., Maple Street, near Highland Avenue.

Agriculturist.

ERNEST WALKER, B. S. A., 524 Leverett Street.

Horticulturist and Entomologist.

J. F. MOORE, B. S., Chemist, 331 Highland Avenue.

The national government established the experiment station as a department of the University in 1887, and maintains it to investigate agricultural problems for the aid of the farmers of the state.

The work of the experiment station is divided into the special lines of agriculture, horticulture, and entomology; chemistry, animal and plant diseases; animal production, pomology, and farmers' institute work. Specialists are employed in each line, and experiments are made both in

the field and in the laboratory in the improvement of soils, the rotation of crops, diseases of plants and domestic animals, in fertilizers, the value of stock foods, dairying, and other matters. Students interested in agricultural subjects are given opportunity to observe the experiments and to acquaint themselves with the work of the station in its various departments; the bulletins are also available for their use. The experiments and their results are published in bulletins, which are sent free to farmers, stock raisers, and fruit growers of the state, and to others interested in agriculture.

Those who desire the station bulletins should apply for them to the director of the station, Fayetteville, Ark. One application is sufficient to obtain all future bulletins if desired.

Since its establishment the station has issued eighty-one bulletins on agricultural subjects. The following bulletins are not yet out of print and may be secured by writing to the director of the station:

19. Farm Manuring.
22. Sorghum and Sugar Cane Culture—Syrup and Sugar Making on Small Farms.
23. Cotton—Maintenance of Cotton Soils and their Improvement Without Commercial Fertilizer. Feeding Vegetable Matter to Cattle before Using as a Fertilizer.
25. Animal Pathology.
27. Agriculture—Late Crops for Overflow Lands—Corn.
28. Agriculture—Rye for Green Winter Feeding—Fertilizer Experiments with Rye—Onion from Seed, etc.
29. Agriculture—Wheat Experiments on Sandy Loam Soil—Some Grass Experiments on Clay Loam Soil.
30. Stock Feeding.
31. Agriculture—Fattening Mature Steers on Cotton Seed and Cowpea Hay.
32. Farm Drainage—Protection of Soil from Surface Washing. Drainage of Wet Lands. Indications of the Need of Drainage.
33. Insects—Remedies for Destroying them.
34. Vegetable Gardening—Culture and Fertilization.

40. On the Toxic Properties of Moulds—Investigation of Stock Diseases.
41. A Succession of Crops for Pork Production.
42. Wheat or Milling Products.
43. Horticultural Reports.
44. Vegetable Gardening.
46. Improving Worn Soils With Legumes.
47. Principles of Farm Manuring.
51. Communicable Diseases.
52. Feeding Cotton Seed and Meal.
53. Chemistry of Wheat.
54. Feeding Test of Foods for Producing Pork.
55. Orchard Cultivation.
56. Tomatoes, Onions, etc.
57. Relative Virulence for the Domestic Animal of Human and Bovine Tubercle.
58. Grazing of Steers, and Other Experiments.
59. Experiments with Corn in Different Latitudes.
60. Second Report on the Arkansas Seedling Apple.
61. Hay and Pasture Plants for Arkansas Soils.
62. Wheat Experiments.
63. The Relative Susceptibility of the Domestic Animal to the Contagia of Human and Bovine Tuberculosis.
64. Notes on Celery.
65. Pig Feeding Experiments.
66. Oat Experiments.
57. Investigation of Swine Diseases in Arkansas.
68. Soil Improvement and Forage Experiments.
69. Some Muskmelon Experiments.
70. Cowpea Experiments.
72. Sweet Potato Experiments.
73. Pork Production and Hog Ranching.
74. Phosphates of Arkansas.
75. Alfalfa.
76. Pig Feeding Experiments with Cotton Seed Meal.
77. Cowpea Experiments.
78. Edible Oils.
79. Peach Growing in Arkansas.
80. Cowpea Hay.
81. Fertilizers.

THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS.

Little Rock, Ark.

HENRY S. HARTZOG, LL. D., *President.*

JAMES A. DIBRELL, M. D.,

*Professor of General Descriptive and Surgical Anatomy and
President of the Faculty.*

EDWIN BENTLEY, M. D., U. S. A. (Retired.),

Professor of Principles and Practice of Surgery.

C. WATKINS, M. D.,

Professor of Practice of Medicine.

JAMES H. LENOW, M. D.,

Professor of Diseases of Genito-Urinary Organs.

LOUIS R. STARK, M. D.,

Professor of Gynecology.

F. R. DIBRELL, M. D.,

*Professor of Physiology, Physical Diagnosis, and Clinical
Medicine.*

FRANK VINSONHALER, M. D.,

Professor of Ophthalmology and Otology.

THOMAS N. ROBERTSON, A. B., LL. B.,

Professor of Medical Chemistry and Toxicology.

W. H. MILLER, M. D.,

Professor of Obstetrics.

F. L. FRENCH, M. D.,

*Professor of Materia Medica, Therapeutics, Hygiene, and Botany,
and Secretary of the Faculty.*

CARLE E. BENTLEY, M. D.,

Professor of Clinical Surgery and Dermatology.

JOHN R. DIBRELL, M. D.,

Professor of Surgical Pathology and Bacteriology.

W. C. DUNAWAY, M. D.,

Demonstrator of Anatomy.

E. E. MOSS, A. M., LL. B.,
Professor of Legal Medicine.

J. W. JENKINS, M. D.,
Adjunct Professor of Principles and Practice of Surgery.

R. W. LINDSEY, M. D.,
Lecturer and Clinical Instructor on the Practice of Medicine

C. E. WITT, M. D.,
Lecturer and Clinical Instructor on the Practice of Medicine

H. C. STINSON, M. D.,
Lecturer and Clinical Instructor on Diseases of the Nervous System.

ANDERSON WATKINS, M. D.,
First Assistant Demonstrator of Anatomy.

WRIGHT LINDSEY, M. D.,
Second Assistant Demonstrator of Anatomy.

A. E. SWEATLAND, M. D.
Third Assistant Demonstrator of Anatomy.

S. P. VAUGHTER, M. D.,
Fourth Assistant Demonstrator of Anatomy.

C. E. WITT, M. D.,
Assistant to the Chair of Materia Medica and Therapeutics.

W. A. SNODGRASS, M. D.,
Assistant to the Chair of Gynecology.

J. G. WATKINS, M. D.,
Assistant to the Chair of Otology and Ophthalmology.

A. R. STOVER, M. D.,
Assistant to the Chair of Physiology and Clinical Medicine.

ANDERSON WATKINS, M. D.,
Assistant to the Chair of Clinical Surgery and Dermatology.

Prosectors of Anatomy and assistants to other chairs to be supplied.

SAM PRYOR, Janitor at the College, corner Second and Sherman Streets. All communications should be addressed to

F. L. FRENCH,

Little Rock, Ar.

Twenty-Sixth Annual Announcement

OF THE

MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS.

The regular course of lectures will begin on Monday, October 17, 1904, and continue until April 15, 1905.

Lectures will be delivered daily during the six days of each week.

The matriculation book will be open from and after September 1 to students desiring to matriculate early and secure choice of seats.

In making this annual announcement the faculty feels great satisfaction in referring to the continued success and prosperity of the medical department. The cordial indorsement of the Arkansas Medical Society, and the generous influence of the medical profession throughout the state, are highly appreciated and encourages the members of the faculty to continue the arduous labors they have so long and zealously maintained.

Four Years' Graded Course.

The advanced stand taken by the faculty in adopting the four years' graded course as required by the Association of American Medical Colleges, seems to be appreciated by members of the medical profession, and students as well, as is shown by the number and higher educational standing of students since its adoption.

It is a source of satisfaction to the faculty that this school has been a member of the American Medical College Association since the latter's foundation, and has always been in favor of the very highest standard for graduates of medicine. While rival schools have, apparently at least, been coerced to adopt the four years' graded course, our school has invariably been among the first to indorse and adopt every step toward the movement for higher medical education.

The demands of modern medicine are such that after long experience it has been fully demonstrated that a shorter term of study is wholly inadequate for any student, no matter what his capabilities are, to acquire a thorough medical education. Moreover, in the present crowded state of the profession, there is no longer any room or demand for half-taught and partly educated physicians, and only those who are fully trained and thoroughly educated are fitted for the responsible duties of a physician, or are likely to succeed in their chosen profession.

So universal is the demand for higher medical education that in many states boards of health and other constituted authority refuse to license graduates of medical schools having a shorter term of study than four years.

Matriculation.

As required by the rules and regulations of the Association of American Medical Colleges, students on matriculating are required to present credentials showing that they are matriculates or graduates of recognized colleges of literature, science or arts, of high schools, academies, normal schools, or equivalent schools, or teachers' certificates.

Graduates and matriculates in medicine, dentistry or pharmacy, on presenting proper credentials, are exempt from the entrance examination.

To avoid delay, students entitled to matriculate without examination are requested to bring their certificates with them and present them on arrival at the college.

Students not entitled to exemption, as hereinbefore provided, are required to pass an entrance examination, with the following requirements: The writing of an English composition of not less than 200 words; the translation of easy Latin prose; a knowledge of the elements of arithmetic or algebra, and of elementary physics.

Students who may be unsuccessful in their entrance examinations, on any subject or subjects, are allowed one year to qualify themselves; they may register and pursue their studies one year, but they cannot begin the studies of the second year until they have passed the required entrance examination.

These examinations are reasonable, their only object being to ascertain whether students are sufficiently educated to profit by medical study.

Students who have the entrance requirements will be entitled to additional credit for time on the four years' course, as follows: (a) To students having the A. B., B. S., or equivalent degrees from reputable literary colleges, one year of time. (b) To graduates and students of colleges of homeopathic or eclectic medicine, as many years as they attended those colleges, provided they have met the previous requirements of this school and passed an examination in

materia medica and therapeutics. (c) To graduates of reputable colleges of dentistry, pharmacy and veterinary medicine, one year of time.

Curriculum.

First Year—Anatomy, Practical Anatomy, Physiology, Chemistry Physics, Histology, Medical Ethics and Materia Medica.

Second Year—Anatomy, Practical Anatomy, Physiology, Chemistry, Materia Medica, Pathology, Obstetrics.

Third Year—Materia Medica and Therapeutics, Toxicology, Obstetrics and Diseases of Children, Physical Diagnosis, Diseases of the Eye and Ear, Practice of Medicine, Surgery.

Fourth Year—Review of all branches—Practice of Medicine, Surgery, Dermatology, Gynecology, Bacteriology, Urinology, Venereal Diseases, Diseases of the Nervous System, Medical Jurisprudence.

Students are required to stand an examination each year before being advanced.

Location.

The city of Little Rock is conveniently situated in the center of the state, and railroads enter from every direction, making it easily accessible.

It has a population of more than 60,000, and has always been classed as one of the healthiest cities west of the Mississippi River. Few places can boast of better educational facilities than Little Rock. All of the eleemosynary institutions of the state are located here. These are the school for the blind, the deaf mute institute, and the insane asylum.

University Building.

The new structure is an imposing edifice, three stories in height, constructed of brick and admirably arranged for the convenience of both students and instructors.

It has a large lecture hall, a fine amphitheater with chairs, a library, a reading room, a museum, several dissecting rooms, all well lighted and ventilated. In fact, it is designed to be a modern and model medical college building. It is situated on Second and Sherman Streets.

Hospitals.

"The Logan H. Roots Memorial Hospital"—By the munificence of the late Colonel Logan H. Roots and the benevolence of his widow, the city of Little Rock has an elegant public hospital.

The medical department of the University is fortunate in having this hospital situated on lots adjoining and directly connected with its own building, thus giving greatly increased clinical facilities.

St. Vincent's Infirmary, designed solely for the treatment of acute diseases, has a capacity of nearly a hundred beds. This hospital is splendidly equipped and furnished with modern conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, sisters of charity.

This magnificent institution, conveniently situated, is the finest and best equipped institution of its kind in the Southwest, and is up-to-date in every respect.

The Pulaski County Hospital, erected at a cost of some \$30,000, is a handsome brick structure, well arranged complete in all its equipments, and has a capacity of 200 beds.

Accidents from railways, marine patients, and the sick and injured of the city, county and state, find in these hospitals shelter, food, raiment, and that Christian attention so cheering and comforting in sickness and distress.

The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults and children—and with them are found almost every form of malady, except quarantinable diseases, which are otherwise provided for.

The Isaac Folsom Clinic.

This clinic is thus designated in honor of the late Dr. Folsom, and in consideration of his liberal endowment with the sum of \$20,000.

The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than 6,000 patients attended this clinic last year.

Methods of Teaching.

Instruction will be given by didactic and clinical lectures, practical work in the dissecting room, chemical and physiological laboratories and by daily quizzes on the subject of preceding lectures.

When the subject will admit of it, each branch will be so illustrated by means of diagrams, charts, models and instruments, as to address the understanding of the student through the medium of sight as well as hearing.

Text-Book.

The faculty recommends one or the other of the following text-books in the several departments:

Surgery—Wyeth, Da Costa, American Text-Book of Surgery, Warren & Gould, Dennis' System.

Orthopedic Surgery—Whitten, Moore.

Operative Surgery—Stimson, Zucker, Kande, Wharton.

Materia Medica and Therapeutics—Hare, Schleif, Butler, Potter, Stevens.

Theory and Practice—Anders, Thompson, Tyson, Osler.

Diagnosis—Musser, Hare, Simon, Tyson.

Anatomy—Gray, Morris, Gerrish's Text-book.

Physiology—Kirk, Stewart.

Histology—Dunham, Baum, Davidhoff & Huber.

Bacteriology—Abbot, Park, Williams, Gorhams.

Pathology—Green, Mallory & Wright, Delafield.

Chemistry—Simon's Manual of Chemistry, Rockwood's Chemical Analysis for Medical Students, Reese's Manual of Toxicology.

Obstetrics—Hirst, Jewett, Williams.

Diseases of Women—Thomas & Munde, Montgomery, Penrose, Pryor.

Diseases of Children—Holt, Tuttle, Taylor & Wells.

Diseases of Eye—Swanzy, Jackson.

Diseases of Ear, Throat and Nose—Bacon, Burnett, Coakley, Kyle.

Genito-Urinary Organs—Keyes, Morton, Taylor.

Dermatology—Jackson, Croker, Shoemaker.

Botany—Gray.

Dictionary—Dunglison, Goulds, Dorland.

Hygiene—Harrington, Bergey.

Rectum—Gant, Tuttle.

Expense of Living.

The expense of living in the city of Little Rock will, of course, vary according to the views and habits of the students. Good board, at the present time, including lodging, fuel and lights, may be had, at a convenient distance from the college, at from \$4 to \$6 per week, and from \$13 to \$18 per month.

Students on their arrival are requested to visit the University building, corner Second and Sherman Streets, where a list of persons desiring to board medical students will be found.

Persons desiring further information are requested to address the secretary of the faculty.

Requisites for Graduation.

Each candidate for graduation must produce satisfactory evidence of good moral character and of having attained the age of 21 years.

No candidate shall be eligible for final examination for graduation unless he files the proper official evidence that he has matriculated at some regular college for four sessions, and in the course of the same has attended four full courses of instruction on anatomy (including dissections), physiology, chemistry, materia medica, therapeutics, obstetrics, surgery, pathology, bacteriology, and practice of medicine. The last of the four full courses must be attended at the Medical School of the University of Arkansas. No four consecutive courses of instruction shall be held as satisfying these requirements unless the time between the beginning of the first course and the end of the fourth is greater than forty-two months. He must have paid all the college fees.

He must present to the secretary before the 1st of March the amount of his graduation fee. In case of failure to pass a satisfactory examination the money will be refunded.

Terms.

Table of Fees for Every Year of the Four-year Course:

	1ST YEAR	2D YEAR	3D YEAR	4TH YEAR
Matriculation.....	\$ 5.00			
Professors, lectures, etc.....	60.00	\$60.00	\$60.00	\$60.00
Graduation, diploma, etc.....				25.00
Total.....	\$65.00	\$60.00	\$60.00	\$85.00

There are no fees for special courses or quizzes in this college. No professor or assistant is allowed to receive a fee for instruction.

No extra charge will be made for dissecting material, demonstrator's or hospital tickets.

No variation is made, under any circumstances, from the established fees of the college, they having been placed originally at the very lowest figure commensurate with the interests of both student and college.

Alumni are requested to inform the secretary of their present post-office address, and of any change of location, in order that they may have the annual catalogue forwarded them regularly.

LAW DEPARTMENT OF THE UNIVERSITY OF ARKANSAS.

HENRY S. HARTZOG, LL. D., *President.*

Faculty.

J. H. CARMICHAEL, LL. B., DEAN.

Contracts, Equity Jurisprudence and Corporations.

JOHN FLETCHER, LL. M.,

Real Property.

GEORGE W. MURPHY, LL. B.,

Law of Evidence.

TOM M. MEHAFFY, LL. B.,

Law of Torts.

EDWARD W. WINFIELD, LL. B.,

Pleading and Practice.

JAS. F. LOUGHBOROUGH, LL. B.,

Conflict of Laws.

LEWIS RHOTON, LL. B.,

Domestic Relations.

THOS. N. ROBERTSON, LL. B.,

Agency, Commercial Paper and Judgments.

THOS. E. HELM, LL. B.,

Partnerships and Insurance.

AUGUSTUS M. FULK, LL. B.,

Criminal Law, Practice and Procedure.

Lecturers.

U. S. SENATOR JAMES P. CLARKE.

JUDGE JACOB TRIEBER.

HON. MORRIS M. COHN.

HON. JAMES M. HARROD.

HON. GEORGE B. ROSE.

Purpose.

It is not the purpose of the law department of the University of Arkansas to persuade any young man to study law who does not of his own free will choose to do so. But of all those who contemplate the study with the view of entering upon the practice of the law as a profession or for the protection and valuable assistance a knowledge of the law affords in the successful prosecution of almost every line of business enterprise, or even for the mental culture, the broad and liberal conception, the lucid and logical reasoning, the just and accurate conclusion which are so manifestly characteristic of the legally trained mind, the department respectfully solicits patronage. It is to be presumed that every true son of Arkansas who aspires to the practice of the law as a profession in this state has enough state pride to select his home institution to prepare himself for his chosen vocation. Especially should this presumption hold when the advantages afforded him by the law department of his own state University are equal, and to him, in many important particulars, superior, to those of similar institutions of other states. The instructors of this department of our state University are all active practitioners of the law. They have not engaged in this educational work with the anticipation of realizing a livelihood from its revenues, but have done so from a realization of the pressing need of such an institution as a department of the educational system of the state and to meet the demands of our young men who are the state's best hope for her future lawyers and statesmen.

Course of Instruction.

The course of instruction covers a period of two years consisting of four terms. We deem a shorter period insufficient for the proper preparation of the student of the law for his profession. In the language of a distinguished jurist, "He who is not a good lawyer when he comes to the bar will seldom be one afterwards." Our method of instruction consists of daily recitations upon previously assigned lessons in the text-books, with special lectures to emphasize the conclusions of the author and to enlarge the student's conception of the same. We deem our system of instruction with daily recitations largely predominating, superior to either the recitation or lecture system when pursued alone. In addition to the above, students are required to prepare and submit to the professors legal papers in the form of briefs upon the various topics of the text-writers, thus combining the abstract theory of the law with the practical application of the same to the different sets of facts embraced in the various decisions of the courts consulted by the student while preparing his paper. The course of study for the two years will embrace the subjects named and assigned, as follows:

JUNIOR YEAR.

First Term.—Contracts, Agency, Commercial Paper, Torts, Bailments.
 Second Term.—Criminal Law, Evidence, Pleading, Insurance, Partnership.

SENIOR YEAR.

First Term.—Real Property, Equity, Corporations, Domestic Relations, Frauds and Fraudulent Conveyances, Sales.
 Second Term.—Real Property, Judgments and Lectures upon Constitutional Limitations, Private and Public International Law, Federal Practice, Bankruptcy, Medical Jurisprudence, Legal Ethics.

The first term of both junior and senior courses begins on the third Monday in September, and ends on the 23rd of January following; the second term of each course begins on the 25th of January and ends on the first Friday in June.

Admission.

While we fully appreciate the advantages of a thorough collegiate training in the various academic branches as a preparation for the study of the law, we have not made such acquirement a prerequisite to admission to this department. Applicants will be permitted to take up the studies of the junior course who are possessed of a fair English education, such as may be acquired in our public schools. Students may be admitted to the senior course upon producing sufficient proof of their having given the necessary time and study to the different subjects of the law, either in another law school or under the direction of a practicing lawyer, but no student will be granted the degree until he has passed a satisfactory examination on all the branches embraced in the full course for the two years.

List of Text-Books.

Tiedeman on Real Property, Greenleaf on Evidence, Eaton on Equity, Clarke on Criminal Law, Anson on Contracts, Reinhard on Agency, Mechem on Elements of Partnership, Tiedeman on Bills and Notes, Clarke on Corporations, Van Zile on Bailments, Hale on Torts, Freeman on Judgments, Rogers on Domestic Relations, Tiffany on Sales, Bliss on Code Pleading, Cooley on Constitutional Law, Minor on the Conflict of Laws, Elliott on Insurance, Brandenburg on Bankruptcy, Ewell on Medical Jurisprudence, Federal Practice, and Legal Ethics.

Moot Courts.

Moot courts begin with the last term of the junior year and continue throughout the course, and are termed the judicial department of the school, and embrace all the courts—justice, probate, circuit and supreme—all modeled according to the constitutional requirements of our state.

The supreme court shall consist of three judges, a chief justice and two associates.

The circuit court shall consist of one judge, a clerk and a sheriff, to be elected by the students.

County and probate court shall consist of one judge, sheriff, and a clerk, to be elected by the students.

Justice of the peace court shall consist of a member of the senior class, who shall be elected by the student body.

These courts shall be under the immediate supervision of the dean, who will be assisted by the members of the faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction, for the use of said courts.

Goar Lyceum.

This society is composed of the students of both the junior and senior years, and meets regularly every Wednesday night during the session. The exercises consist chiefly of theses and debates embracing subjects legal in their nature. The performance of these exercises is insisted upon by the faculty, for such practice enables the student to acquire the invaluable art of learning "to think while on his feet," besides giving him an easy manner of address in public speaking.

Examinations.

Written examinations are held each term in the presence of a member of the faculty.

Degrees.

The degrees of Bachelor of Laws is conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

Class Honors.

Honorable competition is the life of all enterprise; therefore we confer the following evidences of distinction: Upon the student attaining the highest average grade, shall be conferred the distinction of first honor man of his class; the one attaining the next highest, the second honor man; and the one making the next highest, the third honor man.

The faculty authorize the selection of three orators to deliver orations at the commencement exercises, as follows: The senior class, one; the junior class, one; and the Goar Lyceum, one.

Advantages of Location.

Each student may use the supreme court library, which contains about 20,000 volumes, including all the reports from the year books to the seventieth Arkansas. During his course of two years the student may see one session of the legislature. The supreme court is in session about nine months of the year. A federal district court and the circuit court of appeals hold a session in Little Rock each winter. Two state circuit courts are in session about nine months in the year. The student of equity has an opportunity

to observe some of its practical workings in a chancery court. Little Rock has a county and probate court, and about fourteen justices of the peace. The members of the Little Rock bar are kind and courteous to students and willing to aid them in any and every way. As Little Rock has a semi-tropical climate, it is just the place to spend a winter free from intense cold.

Professional Ethics.

While endeavoring to impart a knowledge of the fundamental principles of the law, the subject of professional ethics will be given special attention and its demands constantly impressed upon the minds of the students as indispensable to the attainment of an honorable and successful career as a lawyer.

Admission to the Bar.

By a recent act of the legislature all graduates of the law department of the University of this state are admitted to the practice of law in the supreme court and all inferior courts of the state without the requirement of an examination.

Tuition and Expenses.

Tuition.....	\$50.00 per course of one year
Tuition.....	\$100 per course of two years
Board and lodging.....	\$15 to \$20 per month
Text-books, if desired by student.....	\$50 per annum
Diploma ..	\$5.00

No library or society fees are required of students.

All communications should be addressed to the secretary.

T. N. ROBERTSON,

Little Rock, Ark.

BRANCH NORMAL COLLEGE.

Pine Bluff.

Officers of Instruction.

ISAAC FISHER, *Principal.*

Psychology, Ethics and Pedagogy.

JOHN H. MICHAEL,

Mathematics, English and Science.

WILLIAM B. CRITTENDEN,

Ancient and Modern Languages and Mathematics.

JULIA O. WRIGHT,

Geography, Arithmetic, History and Typewriting.

SADIE M. PEEBLES,

Arithmetic, History and Free-hand Drawing.

IRENA V. COLEMAN, L. I.,

Arithmetic, Algebra and History.

MATTIE I. BENSON,

Dressmaking and Music.

Department of Mechanic Arts.

B. N. WILSON, B. Sc., M. E.,

Superintendent of Mechanic Arts.

W. S. Harris,

Assistant Superintendent of Mechanic Arts.

J. L. ROSS,

Instructor in Machine and Forge Shops.

Branch Normal College Calendar, Session of 1904-1905.

Session opens Monday, September 5, 1904.

Entrance examinations, Monday, Tuesday and Wednesday
September 5, 6 and 7, 1904.

Autumn term closes Friday, November 4, 1904.

Winter term begins Monday, November 7, 1904.

Thanksgiving Day Thursday, November 24, 1904.

Christmas holidays begin Friday, December 23, 1904; close
January 2, 1905.

Mid-year examinations begin Monday, January 23, 1905.

Washington's birthday Wednesday, February 22, 1905.

Winter term closes Tuesday, February 28, 1905.

Spring term begins Wednesday, March 1, 1905.

Spring examinations begin Monday, May 22, 1905.

Baccalaureate sermon, Sunday, June 4, 1905.

Oratorical contest for "Trustees Prize" Monday, June 5
1905.

Commencement, Tuesday, June 6, 1905.

Alumni Association, Wednesday, June 7, 1905.

General Statement.

The Branch Normal College is a department of the University of Arkansas, established pursuant to an act of the general assembly of the state of Arkansas, approved April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient service in the colored public schools of the state.

Tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, and appointment by one of the county judges, and the payment of the matriculation fee of \$5. Other students pay in addition \$1 per month in advance.

Location, Etc.

The school property consists of a beautiful tract of twenty acres of ground, in the suburbs of Pine Bluff, Jefferson County, Ark. A handsome and comfortable school building, a dormitory for girls and manual training shops, containing as complete an equipment as can be found in any similar shops in the South.

Requirements for Admission.

Candidates must be at least sixteen, if young men, and fourteen, if young women; and must pass satisfactory examinations in arithmetic, English grammar, geography and United States history.

Appointment of Beneficiaries.

By the laws of the state, the appointment of students to the Branch Normal College in numbers from each county in the state is the same as to the parent University at Fayetteville. The power is vested in the county courts, but any vacancies occurring during the vacations of the court shall be filled by the judge of the county court.

All students thus appointed are entitled to four years' free tuition upon the payment of \$5 matriculation fee, in advance at the time of entering the school.

These appointments are not transferable, and students holding them must be very careful that their conduct is not such as will lead to their forfeiture; and it may also be stated that the principal reserves the right to declare forfeited the appointments of those students who are not present at the opening of the autumn term.

Students planning to enter the school should go to their county judges for appointments, which, if received, must be brought to the college. Blanks for appointments may be secured by addressing Principal Isaac Fisher, Pine Bluff, Ark.

Normal Department.

The college offers a good course of training for those who plan to become teachers. More and more the aim will be to give scientific instruction in the matter of teaching the branches of the public schools. Arrangements have been made with the superintendent of the Pine Bluff public schools by which the student-teachers of this college may inspect the school system in actual operation. Candidates completing the work of this department will be granted the certificate of Licentiate of Instruction (L. I.). Applicants must pass a satisfactory examination in the ordinary English branches to be able to enter the school.

Classical Department.

Candidates completing this course will be granted the degree of Bachelor of Arts (A. B.) but no candidate failing to write and submit an original thesis to the teacher of English will be given this degree. The subject of this thesis must be selected in December of the senior year.

The Mechanic Arts Department.

This department offers a splendid opportunity to young colored men to become skilled blacksmiths, machinists, and engineers or firemen. The mechanic arts course and the manual training normal course are strong combinations of shop work and literary training. It is hoped that these courses will from time to time attract young men who desire to fit themselves for higher usefulness by preparing for the pursuit of those occupations for which there is a strong demand. In addition to these there is offered a course in woodworking, which comprises cabinet making, pattern making and carpentry.

Department of Dressmaking.

Young women are here given an opportunity to learn plain sewing, crocheting and art needlework. A fine outfit of sewing machines and other requisites for doing the work planned for this department comprise the equipment.

Typewriting and Stenography.

These are taught one hour each day. Shorthand classes will be formed whenever a sufficient number of students desire to pursue this study.

Military Drill.

The young men of the college have been organized into a battalion of cadets for the promotion of habits of neatness, order and punctuality; and to develop an ennobling self-control in every young man connected with the school.

Under the military system thus established, it is aimed to exercise that control of the cadets which is so essential to easy and proper discipline. All young men are subject to the drill regulations.

Physical Exercise.

An athletic association for the purpose of fostering clean athletics and at the same time giving healthful exercise, has been organized here under the direction of a member of the faculty who will see that no excesses are indulged in and that sports do not interfere with the work of the other departments.

Physical culture for young women is also a feature of the college work.

Public Rhetoricals.

Twice every month public rhetoricals are held in the chapel and all students are subject to assignment on the programs.

Religious Life.

Prayers are held in the chapel every morning except Saturdays and Sundays. All students are required to attend these devotions. On Sundays, the students who board in the town attend the various churches, while the girls living in the dormitory are taken to the churches of their several choices by members of the faculty.

Holidays.

The exercises of the college are suspended for one day at Thanksgiving, one on Washington's birthday, and about ten days at Christmas.

Lecture Course.

A course of lectures on live topics is given during the year. These are free, both to the students and to the public.

Trustees' Prize.

This prize consists of \$25, and is given to "that member of either of the two highest classes who shall during commencement week pronounce the best oration on any one of a number of subjects to be selected by the principal."

General Exercises.

The general exercises include reviews of the Sunday school lessons and of the events of the week; also music and drawing. There are regular lessons in vocal music which are given to all students. Students will frequently be required to give public evidence of their skill in using the library intelligently. All exercises must be attended faithfully.

Expenses.

For all students, entrance fee, in advance.....	\$ 5.00
Board, fuel and light, for girls in the dormitory.....	8.00
Board, fuel and light, in private families.....	\$8 to 10.00
Non-beneficiary students for tuition, per month.....	1.00
Books at usual retailers' price.	
Entrance fees and board bills are payable in advance.	

For further information concerning any department of the college, address the principal.

PART III.

Alumni of the College, the Normal
Department, the Medical School,
and the Law School.

GRADUATES OF THE UNIVERSITY OF ARKANSAS.

Collegiate Alumni.

- George Carl Abernathy, B. A., 1900, Lawyer, Warren, Ark.
Don C. B. Aiken, C. E., 1889, Civil Engineer.
Rathburn, Alden, B. A., 1902, Assistant Cashier, Grove Bank, Grove,
I. T.
Edna Allen, B. A., 1896, Teacher, Muscogee, I. T.
L. S. Anderson, B. L. L., 1884, Clerk in Land Office, Washington,
D. C.
J. D. Arbuckle, B. A., 1892, County Clerk, Paris, Ark.
C. F. Armistead, B. A., 1893, Captain Sixth Artillery, United States
Army, San Francisco, Cal.
L. R. Ash, B. C. E., 1893, Draftsman, Waddell & Hedrick, Kansas
City, Mo.
George H. Askew, B. A., 1898, Insurance Agent, Fayetteville, Ark.
Nancy E. Askew, B. A., 1901, Mrs. C. N. Weems, Searcy, Ark.
W. H. Askew, B. A., 1897, Lawyer, Magnolia, Ark.
W. E. Ayers, B. C. E., 1898, Chief Engineer Mississippi Valley
R. R., Osceola, Ark.
Nettie Barnett, B. L., 1876, Mrs. C. P. Boles, Fayetteville, Ark.
Ida Barr, B. S., 1896, Mrs. R. E. Bagley, Cameron, Mo.
R. B. Barton, B. Ph., 1902, Secretary, St. Francis Levee Board,
Randolph Building, Memphis, Tenn.
C. O. Bates, B. A., 1883, Professor of Chemistry, Coe College,
Cedar Rapids, Iowa.
Nora Madge Bates, B. A., 1903, School Principal, Somerville, Texas.
J. H. Bates, B. A., 1886, Lawyer, Corsicana, Texas.
J. W. Baxter, B. A., B. S., 1902, Graduate Student, University of
Arkansas.
J. D. Beakley, B. Ph., 1902, England, Ark.
Mary Beattie, B. A., 1896, Teacher, Deaf Mute School, Flint,
Michigan.
J. C. Bell, B. A., 1894, Physician, Frazier, Tenn.
M. L. Bell, B. A., 1898, Lawyer, Pine Bluff, Ark.
A. W. Bevers, B. A., 1898, Principal, Public School, Springdale, Ark.
Blanche Bibb, B. A., 1893, Mrs. G. A. Humphreys, New York.

- F. M. Billings, B. C. E., 1903, Assistant Engineer Vera Cruz and Pacific R. R., Cordoba, Mexico.
- J. W. Black, B. A., 1892, Lawyer, McAlester, I. T.
- W. I. Blackwell, B. C. E., 1892, Engineer, Golden Lake, Ark.
- J. H. Blair, B. C. E., 1899, Consulting Engineer, Kansas City, Mo.
- Nora Blakely, B. A., 1878, Mrs. H. M. Hudgins, Fayetteville, Ark.
- J. C. Blaylock, B. C. E., 1903, Assistant Engineer, with Waddell & Hedrick, Kansas City, Mo.
- *W. P. Booth, B. A., 1882.
- Alice Borden, 1877.
- J. A. Bostick, B. S., 1901, Medical Student, Little Rock, Ark.
- Laura D. Botefuhr, 1875, Mrs. G. W. Schulte.
- Preston Bowles, B. C. E., 1888, Civil Engineer, Tishomingo, I. T.
- W. E. Boyd, B. A., 1896, Lawyer, Cooper, Texas.
- Amanda Braly, B. S., 1896, Washington, D. C., U. S. Census Dept.
- Etta Braly, B. S., 1896, Mrs. Thomas McColloch, Cane Hill, Ark.
- E. H. Braly, B. A., 1894, with O. & C. C. Ry. Construction Department, Fayetteville, Ark.
- E. K. Braly, B. M. E., 1897, World's Fair Offices, St. Louis, Mo.
- O. P. Brewer, B. S., 1893, Webber's Falls, I. T.
- Hugh Brewster, B. A., 1903, Principal of Schools, Coal Hill, Ark.
- O. D. Briggs, B. A. and B. Ph., 1902, Helena World, Helena, Ark.
- A. M. Brixey, B. A., 1890, Hardware Dealer, Mounds, I. T.
- Edgar Thurman Brown, C. E., 1900, First Assistant Division Engineer, B. & O. R. R., Pittsburg, Pa.
- F. I. Brown, B. M. E., 1902, Illinois Steel Co., Chicago, Ill.
- H. S. Brown, M. E., 1901, Student, Cornell University, Ithaca, N. Y.
- W. D. Brown, B. A., 1882, Physician, Newtonia, Mo.
- L. B. Bryan, B. C. E., 1903, Instructor in Civil Engineering, University of Arkansas.
- H. E. Buchanan, B. A., 1902, Professor of Mathematics, Military School, Kentucky.
- H. M. Butler, B. A., 1879.
- J. L. Campbell, B. A., 1897, Traveling Salesman, Greenwood, Ark.
- *E. B. Carden, B. L., 1877.
- *Ella Carnall, A. M., 1881.
- A. H. Carrigan, B. A., 1882, Lawyer, Wichita Falls, Tex.

*Deceased.

- Ann E. Carson, 1875, Mrs. John Knight, Jonesboro, Ark.
Augusta O. Carson, 1875, Mrs. T. W. Cline, Downey, Cal.
W. W. Cartwright, B. A., B. S., 1903, Fruit Grower, Mountain View, Ark.
C. K. Chanslor, B. A., 1882, Cashier, Farmers' and Merchants' Bank, Cassville, Mo.
W. R. Cherry, B. A., 1882.
W. Clancy, Jr., B. C. E., 1902, Mining Engineer, Butte, Mont.
Elbert Clark, B. A., 1903, Bookkeeper, Waldo, Ark.
V. H. Cochrane, B. C. E., 1901, Chief Draftsman, Waddell & Hedrick, Kansas City, Mo.
J. T. Collier, B. A., 1901, Principal of Schools, Charleston, Ark.
Sydney Connelly, B. A., 1900, Farmer, Poplar Grove, Ark.
Jessie Cravens, B. L. L., 1883, Mrs. O. L. Cravens, Neosho, Mo.
W. A. Crawford, B. A., 1901, Superintendent of Schools, Arkadelphia, Ark.
A. B. Crozier, B. E. E., 1897, Electrical Engineer, S. & S. Packing Co., New York.
Elizabeth E. Crozier, B. A., 1903, Dutch Mills, Ark.
Wm. N. Crozier, B. A., 1888, Clergyman, Conway, Mo.
R. N. Cummings, B. A., 1898, Medical Student, Denyer, Col.
Lula Curry, B. S., 1892, Mrs. G. L. Teller, Chicago, Ill.
Mike Danaher, B. A., 1888, Lawyer, Pine Bluff, Ark.
H. T. Daniels, B. C. E., 1903, with Norfolk & Western Ry. Co., Little Rock, Ark.
Hadgie B. Davies, B. A., 1893, Adjunct Professor of English and Modern Languages, University of Arkansas.
Lila Davies, B. A., 1896, Mrs. Claude Head, Texarkana, Ark.
F. H. Davis, B. C. E., 1903, Hydrographer, Mississippi River Commission, Memphis, Tenn.
J. H. Davis, B. E. E., 1901, Electrical Engineer, Altoona, Pa.
B. F. Davis, B. A. and B. S., 1901, Benton County, Ark.
Lizzie P. Davis, 1875, Mrs. R. C. Brown, Florence, Ariz.
Ruth Anne Dickinson, B. A., 1900, Mrs. Elliott Berry, Bentonville, Ark.
Thomas Tiller Dickinson, B. A., 1900, Lawyer, Little Rock, Ark.
W. E. Dixon, B. A., 1888, Teacher, Waldo, Ark.

- C. H. Drake, B. C. E., 1891, and C. E., 1894, Engineer, Helena, Ark.
- N. F. Drake, B. C. E., 1896, Consulting Geologist, Tien-tsin, China.
- C. J. Drees, B. E. E., 1896, Member of Arkansas Electric Manufacturing Co., Little Rock, Ark.
- G. W. Droke, A. M., 1880, Professor of Mathematics, University of Arkansas.
- Leila Ruth Drake, B. A., 1903, High School Teacher, Springdale, Ark.
- W. H. Duncan, B. L. L., 1884, Lawyer, Conway, Ark.
- Mallie Dyer, B. A., 1894, Professor of English and German, Florida State College, Tallahassee, Fla.
- Clara Earle, B. A., 1896, Professor of English, Cumberland University, Lebanon, Tenn.
- *W. L. Edmiston, B. L. L., 1884.
- Amanda A. Eld, B. A., 1898, Teacher, Tuskahoma, I. T.
- C. J. Eld, B. C. E., 1896, Engineer, American Water Works & Guaranty Co., St. Joseph, Mo.
- George W. Eld, B. M. E., 1900, Engineer, with Armour Packing Co., St. Joseph, Mo.
- F. W. Ellis, B. A., 1881, Lieutenant U. S. Army, Fayetteville, Ark.
- J. R. Ellis, B. E. E., 1903, Bluff City Lumber Co., Pine Bluff, Ark.
- W. Y. Ellis, B. E. E., 1902, with Pine Bluff Electric Light Co., Pine Bluff, Ark.
- W. W. England, B. A., 1883.
- A. T. Erwin, B. S., 1901, Assistant Professor of Horticulture, State Agricultural College, Ames, Ia.
- *C. R. Filmore, B. S., 1899.
- L. F. Fishback, B. S., 1889, Lawyer, Alvin, Tex.
- J. C. Floyd, B. A., 1879, Lawyer, Yellville, Ark.
- W. M. Flynn, B. A., 1888, Teacher, Kennedale, Texas.
- W. A. Freeman, B. A. and B. S., 1901, Teacher in the Philippine Islands.
- Rowena M. Gallaway, B. A., 1902, Teacher, Presbyterian College, Milford, Tex.
- J. R. Gannaway, B. A., 1890, Lawyer, Member of Legislature, Warren, Ark.

*Deceased.

- D. A. Gates, B. A., 1884, County Judge Desha County, Arkansas City, Ark.
- F. I. Gibson, B. S., 1902, Chemist, Ferro-Steel Co., Cleveland, O.
- J. E. Gibson, B. M. E., 1894, Engineer, American Pipe & Manufacturing Co., Philadelphia, Pa.
- W. P. Goodwin, B. L. L., 1884, Lawyer, Warren, Ark.
- Belle E. Gordon, B. A., 1876, Librarian, Chicago, Ill.
- W. D. Gray, B. A., 1900, Teacher, Military School, New York.
- C. D. Greaves, B. A., 1883, Lawyer, Hot Springs, Ark.
- *Alfred W. Gregg, B. A., 1876.
- Andrew S. Gregg, B. A., 1878, Physician, Fayetteville, Ark.
- L. W. Gregg, B. A., 1882, Lawyer, Fayetteville, Ark.
- C. E. Hall, B. C. E., 1893, D. & R. Ry., Dardanelle, Ark.
- H. J. Hall, B. A., 1894, Editor, Waldron, Ark.
- W. J. Hamilton, B. A., 1892, Principal of Public Schools, Huntington, Ark.
- Lena J. Hardin, B. A., 1902, Teacher, Texarkana, Ark.
- Nina V. Hardin, B. A., 1902, Student, U. of A. Medical Department, Little Rock, Ark.
- Agnes Harris, B. A., 1876, Mrs. W. T. Johnson, 3560 North Broadway, Kansas City, Mo.
- Sara F. Harris, B. A., 1876, Mrs. C. P. Conrad, 3560 North Broadway, Kansas City, Mo.
- W. M. Harris, B. A., 1903, Law Student, Columbia University, New York City.
- *Grace Harrison, B. S., 1889, Mrs. T. L. Brown.
- J. H. Harrod, B. A., 1879, Lawyer, Little Rock, Ark.
- J. C. Hart, B. A., 1885, Chancellor, Little Rock, Ark.
- J. T. Hawkins, 1879, Physician, Mount Holly, Ark.
- J. D. Head, B. A., 1894, Lawyer, Columbia, Ark.
- J. A. Heberly, B. S., 1893, Chemist, Germany.
- I. G. Hedrick, C. E., 1892, Firm of Waddell & Hedrick, Consulting Engineers, Kansas City, Mo.
- G. D. Henderson, B. A., 1901, Law Student, Little Rock, Ark.
- W. Rhodes Hervey, B. S., 1890, Lawyer, Los Angeles, Cal.
- E. W. Hillis, B. L. L., 1884, Lawyer, Jonesboro, Ark.
- *J. H. Hobbs, B. A., 1888.

*Deceased.

- W. D. Hobbs, B. A. and B. S., 1901, Teacher in Philippine Islands.
 Daniel Hon, B. A., 1882, Lawyer, Waldron, Ark.
 Cener Holcomb, B. A., 1892, Mrs. E. F. Ellis, Springdale, Ark.
 Jobelle Holcomb, B. A., 1898, Teacher, Clarksville, Ark.
 F. W. Holt, B. A., 1903, Assistant Paymaster U. S. Army, Bellefonte, Arkansas.
 A. M. Honnett, B. E. E., 1903, Electrical Engineer, Laclede Gas Co., St. Louis, Mo.
 John Lyford Hornor, B. A., 1900, Lawyer, Helena, Ark.
 Frank Horsfall, B. S., 1900, Missouri State Fruit Experiment Station, Mountain Grove, Mo.
 S. A. Horton, B. A., 1891, Lawyer, Fairview, Ark.
 Edward Howell, B. A., 1901, Teacher, Southwest Virginia Institute, Bristol, Va.
 J. W. Howell, B. S., 1897, First Lieutenant, 4th Infantry, U. S. Army.
 W. H. Hudgins, B. C. E., 1901, Assistant Engineer, Midland Valley Ry., Bokoshe, I. T.
 J. H. Hudson, B. L. L., 1884, Farmer, Dardanelle, Ark.
 R. W. Huie, Jr., B. A., 1899, Banker, Arkadelphia, Ark.
 G. A. Humphreys B. A., 1890, Physician, New York City.
 Edgar Jennings, B. A., 1877.
 Gustave Jones, B. L. L., 1882, Lawyer, Newport, Ark.
 Albert P. Johnson, B. A., 1876, Lawyer, Winfield, Kansas.
 *T. M. Johnson, B. L. L., 1880.
 G. H. Kimball, B. C. E., 1892, Engineer, Superintendent Public Works, Little Rock, Ark.
 Artelle Alice King, B. L. L., 1880, Mrs. J. C. Belt, Broken, I. T.
 E. B. Kinsworthy, B. L. L., 1885, ex-Attorney-General of the State of Arkansas; Lawyer, Little Rock, Ark.
 F. B. Kirby, B. A., 1899, Medical Student, Washington University, St. Louis, Mo.
 T. B. Kitchens, A. M., 1880, Banker, Paragould, Ark.
 Ella Lake, B. L. L., 1884, Mrs. S. W. Barnett, Fayetteville, Ark.
 W. H. Langford, B. A., 1880, Banker, Pine Bluff, Ark.; Member of Board of Trustees, University of Arkansas.

*Deceased.

- R. S. Lander, B. C. E., 1902, Division Engineer, Missouri Pacific
R. R., Ferguson, Ark.
- J. A. Lanier, B. A., 1882.
- Abbie Leverett, B. A., 1894, Mrs. John H. Taff, Shafter, Tex.
- Mary Leverett, B. A., 1886, Mrs. J. A. Taff, Washington, D. C.
- Rose C. Leverett, B. A., 1897, Mrs. T. A. Edwards, Cordell, Okla.
- D. B. Lipsey, B. S., 1896, Bookkeeper, Bank of Fayetteville, Fayetteville, Ark.
- J. L. Longino, B. E. E., B. M. E., 1903, Electrical and Mechanical Engineer, St. Louis, Mo.
- S. E. Marrs, B. A., 1879, Editor of the Democrat, Fayetteville, Ark.
- J. C. Marshall, M. A., 1879, Lawyer, Little Rock, Ark.
- Mack Martin, M. E., 1891, Mechanical Engineer, 3130 High Street, Denver, Col.
- Pearl Martin, B. S., 1893, Teacher, Fayetteville, Ark.
- Collin Massie, B. A., 1877, Salesman, Fayetteville Ark.
- J. E. Martineau, B. A., 1896, Lawyer, Member of Arkansas Legislature, Little Rock, Ark.
- J. F. Mayes, B. A., 1883, Lumber Dealer, Fayetteville, Ark.
- W. Ross McCain, M. A., 1898, Lawyer, Little Rock, Ark.
- J. L. McConnell, B. C. E., 1902, with Waddell & Hedrick, Kansas City, Mo.
- J. B. McDonough, B. A., 1882, Read & McDonough, Attorneys, Fort Smith, Ark.
- W. R. McFarlane, B. A., 1882, Lawyer, Greenwood, Ark.
- Charles F. McKinney, 1875, firm of Ferguson-McKinney Dry Goods Co., St. Louis, Mo.
- J. C. McNeely, B. C. E., 1889, Planter, Rackensack, Ark.
- Dana A. McNeill, B. M. E., 1897, Superintendent of Factory, Salem, Ohio.
- C. McRae, B. C. E., 1901, Levelman, U. S. Geological Survey, Washington, D. C.
- Elmer Daniel Means, B. A., 1900, Teacher, Paris, Ark.
- W. M. Mellette, B. L., 1877, Mellette & Smith, Attorneys, Vinita, I. T.
- Hattie C. Melton, B. A., 1903, Governess, Scott, Ark.
- Mai Middleton, B. A., 1886, Mrs. R. Chasteen, Pawnee, Okla.
- R. J. Middleton, B. C. E., 1903, Draftsman with Waddell & Hedrick, Kansas City, Mo.

- S. A. Mitchell, B. A., 1903, Law Student, University of Michigan, Ann Arbor, Mich.
- H. P. Mobberly, B. C. E., 1894, Civil Engineer, Southern Pacific Railroad, Natchez, Miss.
- E. L. Mock, B. A., 1894, with Wm. D. Cleveland & Son, Cotton Merchants, Houston, Texas.
- Lucy B. Mock, B. A., 1894, Fayetteville, Ark.
- B. L. Moore, B. A., 1900, Law Student, Van Buren, Ark.
- J. F. Moore, B. S., 1893, Chemist, Arkansas Experimental Station, Fayetteville, Ark.
- J. H. Moore, B. S., 1893, Chemist, Mathieson, Alkali Chemical Company, Saltville, Va.
- J. I. Moore, B. A., Lawyer, Helena, Ark.; Speaker, House of Representatives.
- J. I. Moore, B. M. E., Draftsman, Westinghouse Manufacturing Co., Pittsburg, Pa.
- Lucy J. Moore, 1875, Mrs. J. G. Ross, Fayetteville, Ark.
- D. C. Mooring, M. S., 1903, Instructor in Horticulture, Washington Agricultural and Mechanical College, Pullman, Wash.
- D. C. Morrow, B. E. E., 1897, Engineer, Eureka Springs, Ark.
- Mattie W. Morrow, B. S., 1890, Mrs. J. Wilson, Fayetteville, Ark.
- *Sara Mulholland, B. A., 1886, Mrs. J. F. Mayes, Fayetteville, Ark.
- J. F. Muller, B. M. E., 1903, Student, Cornell University, Ithaca, N. Y.
- Leo J. Mundt, B. A., and B. S., 1901, Helena, Ark.
- A. J. Myar, B. C. E., 1896, Engineer with St. Louis Bridge & Iron Co., St. Louis, Mo.
- W. H. Neal, B. L., 1876, Lawyer, Van Buren, Ark.
- A. J. Newman, B. A., 1891, Lawyer, Little Rock, Ark.
- L. L. Newman, B. E. E., 1901, Electrical Engineering Department, Pennsylvania Ry. Co., Altoona, Pa.
- George Nichols, B. A., 1898, Journalist, Denver, Colo.
- E. P. Notrebe, 1885, Physician, Kansas City, Mo.
- T. F. Oats, B. A., 1892, Physician, Mexia, Texas.
- Ora Obenshain, B. S., 1889, Teacher in Public Schools, Eureka Springs, Ark.

- Charles Hector Orto, B. A., 1900, with Pulaski Trust Co., Little Rock, Ark.
- Ida Pace, B. A., 1888, Mrs. A. H. Purdue, Fayetteville, Ark.
- Daisy B. Patterson, B. A., 1899, Teacher, Galloway College, Searcy, Ark.
- C. C. Patton, B. A., 1891, Lawyer, Hillsboro, Ohio.
- L. Alice Patton, A. M., 1879, Teacher, Prairie Grove, Ark.
- Mattie J. Patton, B. L. L., 1880, Mrs. Chas. Jenkins, Denver, Col.
- Thos. A. Pettigrew, A. M., 1878, Lawyer, Charleston, Ark.
- Harry Pharr, B. C. E., 1893, C. E., 1900, Chief Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.
- J. S. Pharr, B. A., 1892, Assistant Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.
- R. E. Philbeck, B. A., 1900, Instructor, Preparatory Department, University of Arkansas.
- J. W. Pickel, B. A., 1882, Physician for Crystal Plate Glass Company, Crystal City, Mo.
- R. T. Pitman, B. S., 1894, Chemist, Sloss Iron & Steel Company, Birmingham, Ala.
- *Alice Polson, B. S., 1888, Mrs. W. C. Hutchinson.
- W. W. Powell, B. A., 1888, Lawyer, Batesville, Ark.
- C. G. Price, B. A., 1898, Bookkeeper for Yowell & Williams, Little Rock, Ark.
- W. E. Pruett, B. C. E., 1897, Assistant Engineer, Drainage Canal, Chicago, Ill.
- Lizzie Purdy, B. S., 1900, Mrs. George Darden, Carey, Miss.
- Anna Putman, M. A., 1875, Mrs. Chas. M. King, Greenwood, Ark.
- W. H. Rattenbury, B. A., 1900, City Salesman, Little Rock, Ark.
- J. L. Redus, B. A., 1896, Lead Hill, Ark.
- G. W. M. Reed, Jr., B. L. L., 1884, Census Office, Washington, D. C.
- Lina X. Reed, B. A., 1881, Teacher, Fayetteville, Ark.
- *Maggie Reed, B. A., 1878, Mrs. Presley Crawford.
- O. S. Rieff, B. A., 1881, Lawyer, Little Rock, Ark.
- W. B. Rife, B. A., 1903, High School Principal, Ben Lomond, Ark.
- P. A. Rodgers, B. A., 1892, Farmer, Gravett, Ark.
- H. L. Ross, B. A., 1901, Student Theological Seminary, Richmond, Va.

- Lucy I. Ross, B. A., 1901, Teacher, Prairie Grove, Ark.
 W. A. Ross, B. A., 1898, Minister, Fort Smith, Ark.
 *Z. C. Ross, A. B., 1880.
 W. A. Ruggles, B. E. E., 1903, Electrical Engineer, Pennsylvania, Railroad Co., Altoona, Pa.
 Lawrence Russell, A. B., 1880, Lawyer, Russellville, Ark.
 C. L. Sadler, B. C. E., 1901, Topographer, U. S. Geological Survey, Washington, D. C.
 C. F. Sanders, B. A., 1899, Principal Whittington School, Hot Springs, Ark.
 T. E. Sanders, B. S. and B. Ph., 1901, Hot Springs, Ark.
 R. L. Saxon, B. A., 1903, Medical Student, University of Tennessee, Nashville, Tenn.
 G. C. Schoff, B. C. E., 1888, Civil Engineer, Babcock-Wilcox Co., Philadelphia, Pa.
 T. D. Sedwick, B. A. and B. S., Chemist, Stover Manufacturing Company, Freeport, Ill.
 G. C. Shell, B. L. L., 1882, Lawyer, Lake Village, Ark.
 A. W. Shreve, B. C. E., 1891, County Surveyor, Washington County, Farmington, Ark.
 H. B. Shreve, B. C. E., 1891, Beulah, Colo.
 *W. D. Simms, B. L., 1877.
 *Alice Simmons, B. S., 1896 Mrs. A. V. Smith.
 G. V. Skelton, B. C. E., 1891, C. E., 1895, Professor of Mathematics, Agricultural College, Corvallis, Oregon.
 J. E. Skelton, B. S., 1897, Chemist, Roane Steel & Iron Company, Rockwood, Tenn.
 Ida Slagle, B. A., 1889, Mrs. W. J. Gilbreath, Kansas City, Mo.
 Chester Collins Sloan, B. S., 1900, Medical Student, University of Pennsylvania.
 A. V. Smith, B. A., 1898, Teacher in the Philippines.
 C. D. Smith, B. A., 1902, Field Assistant, Arkansas Mineral Exhibit, World's Fair.
 Fannie Marie Smith, B. A., 1901, El Dorado, Ark.
 E. L. Spencer, B. A., 1898, Graduate Student, Stanford University, Cal.
 J. P. Streepey, B. A., 1903, Public School Teacher, Lonoke, Ark.
 Henry Stroup, B. A., 1883, Lawyer, Paris, Ark.; Member of the Board of Trustees of the University of Arkansas.

*Deceased.

- Dennie Tee Stubblefield, B. A., 1901, Colorado Springs, Colo.
G. Stubblefield, B. C. E., 1902, Topographer, U. S. Geological Survey, Washington, D. C.
Mabel Sutton, B. A., 1902, Graduate Student, University of Arkansas.
Wm. S. Sutton, A. M., 1878, Professor of Pedagogy, University of Texas.
*Albert Taff, B. C. E., 1890.
J. L. Taff, B. A., 1884, Teachers' Agency, Austin, Texas.
Mary Taff, B. A., 1889, Mrs. G. V. Skelton, Corvallis, Oregon.
Lou Taliaferro, B. L. L., 1883, Stenographer, Kansas City, Mo.
E. L. Taylor, B. L., 1876, Lawyer, Bentonville, Ark.
Daniel Webster Taylor, B. A., 1900, Bookkeeper, Pine Bluff, Ark.
Rupert Taylor, B. A., 1903, School Principal, Texarkana, Texas.
C. V. Teague, B. A., 1879, Lawyer, Hot Springs, Ark.
Annie Cyna Thomason, B. A., 1900, Mrs. C. L. Dunlap, Fayetteville, Ark.
B. J. Tillar, B. A., 1886, Capitalist, Fort Worth, Texas.
J. N. Tillman, B. L. L., 1880, Circuit Judge, Fayetteville, Ark.
George Franklin Towler, B. A., 1900, Law Student, Little Rock, Ark.
Theo. C. Treadway, B. E. E., 1901, Adjunct Professor of Mechanical Engineering, University of Arkansas.
William A. Treadway, B. M. E., E. E., 1901, Instructor in Electrical Engineering, University of Arkansas.
Lee Treadwell, C. E., 1888, Engineer with John Pierce, Contractor, U. S. Navy Yard, Portsmouth, N. H.
S. C. Treadwell, B. A., 1894, Lawyer, Tishomingo, I. T.
Chas. H. Triplett, B. A., 1901, in business, Pine Bluff, Ark.
A. M. Vance, B. C. E., 1893, Engineer Missouri Pacific Railroad, Carthage, Mo.
James Vandeventer, B. S., 1893, U. S. Army.
George Vaughan, B. A., 1896, Lawyer, Lockesburg, Ark.
Julia Vaulx, B. A., 1892, Professor of English, Coe College, Cedar Rapids, Iowa.
Katherine D. Vaulx, B. A., 1897, Teacher, Palm Beach, Florida.
S. F. Vaulx, B. A., 1892, Bookkeeper, Bluff City Lumber Company, Pine Bluff, Ark.

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS
FROM 1880 TO 1903.

NAME	STATE	YEAR
Clancey, Thomas J.*	Arkansas	1897
Clark, Charles D.	"	1898
Clark, William I. A.	"	1897
Clayton, James L.	Louisiana	1891
Cline, Isaac M., A. M.	Tennessee	1885
Clingan, A. J.	Arkansas	1902
Collins, Fred A.	"	1893
Coors, George A.	"	1886
Cook, Louis A.	"	1895
Cureton, Hugh E.	"	1895
Daly, J. M.	"	1897
Damron, Alonzo L.	"	1901
Daugherty, James	Texas	1897
Davenport, Robert G.	"	1893
Davis, William A.	Arkansas	1884
Dibrell, Edwin R.	"	1882
Dibrell, John R.	"	1900
Dibrell, Matt S.	"	1889
Dickinson, George L.	"	1892
Dillard, Bee A.	Louisiana	1896
Driver, John H.	Arkansas	1884
Duncan, Lorenzo D.	"	1897
Dunman, Gonzalas	"	1900
Dunnahoo, Benjamin S.	"	1888
Durham, George W.	Texas	1892
Eaves, James B.	Arkansas	1886
Eddy, J. D.	"	1902
Edwards, D. H.	"	1902
Elam, George F.	"	1894
Elliott, George T.	Texas	1896
Eubanks, Felix G.	Arkansas	1887
Evans, David C.	"	1896
Evans, William P.*	"	1887
Fike, William T.	"	1896
Fisher, Daniel N.	"	1896
Fletcher, Thomas M.	"	1889
Foster, John R.	South Carolina	1896
Fowler, William R.	Arkansas	1890
Freeman, William D.	"	1899
French Frank L.	"	1882
Gannaway, Columbus E.	"	1896
Gatlin, Eugene N.	"	1889
George, Isaac M.	"	1881
Gipson, Thomas J.	"	1889
Gladden, Roger Burns	"	1888
Graham, Andrew J.	"	1881
Graham, James F.	"	1887
Greene, Edwin P.	Indian Territory	1900
Griffin, John L.	Arkansas	1893
Guthrie, Adam, Jr.	"	1893
Haizlip, Numa A.	North Carolina	1901
Hale, W.	Texas	1892
Hamilton, Andrew J.	Arkansas	1893
Hancock, John I.*	"	1893
Harkey, Reuben	"	1886

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS FROM 1880 TO 1903.

NAME	STATE	YEAR
Harkey, William I.	Arkansas	1893
Harkness, John H.	"	1881
Harris, Larkin L.	"	1891
Harrison, Andrew J.	"	1901
Harrison, Mark W.	Indian Territory	1898
Harrolson, William H.*	Arkansas	1881
Hart, Thomas C.	"	1891
Hartsell, John S.	"	1888
Hays, Percy C.	"	1901
Haiman, Henry	"	1892
Herring, Robert G.	"	1901
Herrod, Willis L.	"	1891
Heron, Alfred W.	"	1891
Higgs, Archie K.	"	1891
Higgs, James Cofield*	"	1890
Hill, Benjamin Levin	"	1887
Hill, Israel	Indian Territory	1898
Hippolite, Fred A.	Arkansas	1891
Hodges, Thomas E.	"	1888
Hornbarger, William J.	"	1884
Hughes, William B.	"	1889
Hunt, William R.	"	1889
Hurley, Charles E.	"	1892
Illing, William P.	"	1889
Jackson, James Henry	"	1891
Jackson, Norborn H.	"	1881
Jackson, Norborn H., Jr.	"	1901
Jackson, William J.	"	1889
Jacobs, Jessie J.	"	1898
James, Edward D.	"	1901
Jeffery, Theodore E.	"	1898
Jennings, Orville	"	1897
Johnson, Victor M.	"	1896
Jones, Isaac Garrett	"	1889
Jones, William E.	"	1896
Joyner, William T.	"	1889
Kelly, Edward L.	"	1896
Kelly John L.	Louisiana	1898
Kelley, Warren	Arkansas	1897
Kerley, William W.	"	1898
Key, Wesley F.	Texas	1885
Kimberlin, John C.	Arkansas	1897
King, Jacob H. C.	"	1889
Knox, Benson	Texas	1886
Kelb, James Silas	Arkansas	1892
Krueger, E.	"	1902
Lantorn, Zachary J.	"	1885
Laster, James D.*	"	1886
Lane, Edward C.	"	1896
Lay, Shelby	"	1898
Layne, Edward R.	"	1888
Lee, Richard H.*	"	1885
Lewis, G. W.	"	1902
Lindsey, C. W.	"	1901
Lindsey, James H.	"	1884

* Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS
FROM 1880 TO 1903.

NAME	STATE	YEAR
Lindsey, William S., Jr.	Arkansas	1884
Lively, William M.	"	1892
Liverman, James R.	Texas	1900
Long, William J.	Arkansas	1897
Love, Jerome D.	"	1894
Luther, Joel E.	"	1897
McBride, Geo. A.	"	1889
McClain, M. D.	"	1902
McConnell, John W.	"	1884
McCurry, Louis E.	"	1890
McDonald, Andrew J.	"	1901
McKelvey, Aaron A.	"	1894
Madole, Berry W.	Kentucky	1898
Mashburne, Thomas R.*	Arkansas	1893
Mason, George K.	"	1890
Mason, Jefferson McL.	Texas	1888
Mathews, Joseph H.	Arkansas	1893
Matlock, George S.	"	1900
Maxwell, Isaac L.	Texas	1886
Meeks Edward D.	Arkansas	1893
Mickel, Frederick A.	"	1893
Miller, Jacob T.	"	1889
Miller, Samuel E.	"	1891
Miller, William H.	"	1888
Mintern, Horatio F.	New York	1899
Moeur, Benjamin B.	Texas	1896
Moeur, John K.*	"	1894
Moncrief, Joseph J.	Alabama	1897
Montgomery, Henry L.	Arkansas	1894
Morden, James G.*	"	1886
Moreland, L. B.	"	1898
Morrow, John J.	"	1889
Munn, Jesse B.	"	1899
Murray, John V.	"	1886
Nail, Charles C.	"	1889
Nichols, Marion M.*	"	1887
Oliver, Hardy P.	Texas	1894
Ogilvie, James W.	Arkansas	1892
Ozment, Samuel J.	"	1898
Palmer, Luther B.	"	1892
Parham, Smead F.	"	1897
Parker, James	"	1902
Parker, Samuel	"	1892
Patterson, Charles H.	"	1896
Patterson, William F.	Tennessee	1884
Patton, John W.	Arkansas	1889
Payne, Frank P.	"	1890
Pease, John Benjamin, Jr.	Mississippi	1891
Perdue, John W.	Arkansas	1895
Philips, John Morgan	"	1891
Philips, Reuben Young	"	1891
Pickett, William S.	Alabama	1888
Pinson, Tom M.	Arkansas	1880
Pinson, William Byrd	"	1891
Pinson, William J.	"	1882

* Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS FROM 1880 TO 1903.

NAME	STATE	YEAR
Pipkin, John W.	Arkansas	1890
Pleae, Edgar F.	"	1893
Potts, James R.	"	1897
Powell, Millard F.	"	1892
Powell, James P.	Louisiana	1896
Powley, Charles Perry	Canada	1881
Poynor, Isaac M.	Arkansas	1890
Protho, Hassel	"	1890
Quinn, Lot L.	"	1895
Ragsdale, Lewis T.	"	1888
Redfearn, Harrison	Mississippi	1887
Reece, David T.	Indian Territory	1901
Rhodes, James F.	Arkansas	1886
Rice, Clinton A.	"	1901
Ringgold, George W.	"	1886
Ringgold, John W.	"	1890
Robinson, Frank C.	"	1896
Rogers, William F.	"	1888
Russell, Robert L.	"	1898
Rutherford, Thomas F.	"	1883
Rutherford, S. C.	Indian Territory	1901
Ryan, Isaac A.	Arkansas	1887
Ryan, Joe V.	Texas	1897
Lye, Charles	Arkansas	1889
Sadler, Henry David	"	1891
Seaver, James A.	"	1883
Selman, Henry S.	Texas	1896
Sheppard, James M.	Arkansas	1897
Shoppach, Annie A.	"	1901
Shuford, Felix B.	Texas	1898
Shuler, James L.	Arkansas	1887
Simpson, Richard H.	"	1887
Slaight, John L.	"	1889
Smith, Daniel M.	Texas	1887
Smith, Elbert H.	Indian Territory	1898
Smith, George W. R.	Arkansas	1891
Smith, Lewis C.	"	1884
Smith, Morgan	"	1889
Smith, Robert J.	"	1890
Smith, William J.	"	1888
Snodgrass, William A.	"	1897
Stanfield, M. F.	"	1890
Stark, Calvin B.	"	1890
Steed, Pinkney M.	"	1898
Stevenson, Thomas*	"	1881
Stephenson, A. J.	"	1898
Stewart, James L.	"	1895
Stobaugh, Fielding B.	"	1897
Stokes, B. S.	"	1902
Suggs, Frank	"	1897
Sykes, Arthur H.	"	1895
Tatum, Oscar H.	"	1888
Thibault, Henry	"	1900
Thomasson, Joseph B.	"	1894
Thomasson, Nicholas T.	"	1881

* Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS
FROM 1880 TO 1903.

NAME	STATE	YEAR
Thompson, James Isaac	Arkansas	1892
Thompson, John W.	"	1887
Thompson, Lewis Q.	"	1884
Thompson, Robert C.	"	1891
Thompson, Robert E.	Louisiana	1885
Thompson, William	Arkansas	1897
Tims, Talbot B.	"	1886
Todd, James H.	"	1894
Tolleson, George W.	"	1898
Tolleson, Robert E.	"	1898
Toner, Harry M.	Indiana	1895
Treadway, Paca H.	Arkansas	1894
Truitt, Edward	"	1893
Turner, Wert B.	Virginia	1888
Tunham, Harrison H.	Arkansas	1887
Ulmer, Charles F.	Texas	1895
Vaughan, John T.	Arkansas	1892
Vaughan, Milton	"	1892
Vaughter, Samuel Paul	"	1892
Voris, James H.	"	1901
Wallace, Charles T.	"	1897
Walton, James W.	"	1892
Walton, Paul N.	Texas	1891
Ward, S. J.	Arkansas	1892
Ward, W. W.	"	1902
Ware, John C.	"	1886
Waterfield, Floyd E.	Indian Territory	1899
Watkins, Anderson	Arkansas	1897
Watkins, Garland J.	"	1897
Waterson, Benjamin F.	"	1881
Waters, George Aaron	"	1892
Waters, George Alvis	Indian Territory	1890
Wear, John B.	Arkansas	1888
Webb, Abner L.	Texas	1884
West, James W.	Indian Territory	1901
Westbrook, Thomas H.	Arkansas	1892
Wiggs, John J.*	"	1888
Williams, Eugene W.	Texas	1899
Williams, A. A. C.	Arkansas	1884
Wilson, David F.	"	1891
Wilson, James J.*	"	1893
Wilson, John F.	"	1897
Wood, Neal	"	1890
Woolford, William S.	"	1884
Wycough, William E.	"	1892
Young, John M.	"	1895
Zachary, Burr S.	"	1883
Zuber, Lee	"	1901

* Deceased.

HONORARY DEGREES GRANTED.

Dibrell, James A., Sr., M. D.*	Arkansas	1884
Du Val, E. R., M. D.*	"	1880
Keller, James M., M. D.	"	1883
Lawrence, William, M. D.*	"	1885
Thompson, William, M. D.	"	1881
Welch, William B., M. D.	"	1882

* Deceased.

ALUMNI OF THE LAW SCHOOL OF THE UNIVERSITY
OF ARKANSAS.

- Mike K. Duty, 1891, Lawyer, Pennsboro, W. Va.
 Theo. W. Stanford, 1891, Waldron, Ark.
 John C. Carmichael, 1894, Lawyer, Dean of Law Department
 University of Arkansas, Little Rock, Ark.
 DeEmmett Bradshaw, 1894, Lawyer, firm of Bradshaw & Helm,
 Little Rock, Ark.
 J. Fairfax Loughborough, 1894, Lawyer, firm of Cantrell &
 Loughborough, Little Rock, Ark.
 R. W. Polk, 1894, with C., O. & G. Railroad, Little Rock, Ark.
 Sam W. Reyburn, 1894, Banker, Little Rock, Ark.
 Lawrence C. Maloney, 1894, Lawyer, Little Rock, Ark.
 W. H. Andereck, 1894, Lawyer, Little Rock, Ark.
 Lewis Rhoton, 1894, Lawyer, Little Rock, Ark.
 W. Sprig Brown, 1894, Lawyer, Poplar Bluff, Mo.
 John D. Shackelford, 1894, Lawyer, firm of Shackelford &
 Shackelford, Little Rock, Ark.
 John W. Black, 1894, Lawyer, South McAlester, I. T.
 Eugene Lankford, 1895, Lawyer, firm of McClintock & Langford,
 Devall's Bluff, Ark.
 John H. Tuohey, 1895, Merchant, Little Rock, Ark.
 Roy D. Campbell, 1895, Lawyer, firm of Campbell & Stevenson,
 Little Rock, Ark.
 David B. Samuel, 1895, Lawyer.
 Henry M. Armistead, 1895, Lawyer, firm of Oldham & Armistead,
 Little Rock, Ark.
 George C. McDiarmid, 1895, Little Rock, Ark.
 E. S. Pindall, 1896, Lawyer, firm of Pindall & Pindall, Dumas, Ark.
 K. O. Pindall, 1896, Lawyer, Arkansas City, Ark.
 J. Bernhardt, 1896, Lawyer, Dumas, Ark.
 Gordon Frierson, 1896, Lawyer, Jonesboro, Ark.
 Chas. C. McRae, 1896, Lawyer, Dallas, Texas.
 Julian J. Dunaway, 1896, Lawyer, Little Rock, Ark.
 Henry S. Westbrook, 1897, Postmaster, Benton, Ark.
 Adolph C. Klein, 1897, Omaha, Neb.

- Thomas J. Walker, 1897, Hospital Steward U. S. Army, Little Rock, Ark.
- Mike P. Huddleston, 1897, Lawyer, firm of Johnson & Huddleston, Paragould, Ark.
- James H. Stevenson, 1897, Lawyer, firm of Campbell & Stevenson, Little Rock, Ark.
- Ulysses S. Bratton, 1897, Assistant District Attorney United States, Little Rock, Ark.
- Eugene P. Guthrie, 1898, Little Rock, Ark.
- L. C. Gulley, 1898, Little Rock, Ark.
- Chas. T. Burns, 1898, Lawyer, Black Rock, Ark.
- Sam B. Hill, 1898, Lawyer, firm of Hill & Poe, Danville Ark.
- James A. Gallaher, 1898, Paris, Ark.
- R. C. Powers, 1898, with St. L. & I. M. Ry. Co., Little Rock, Ark.
- George Vaughan, 1898, Lawyer, Lockesburg, Ark.
- Charles M. Polk, 1898, Lawyer, St Louis, Mo.
- T. N. Robertson, 1898, Lawyer, firm of Robertson & Martineau Little Rock, Ark.
- C. B. Andrews, 1899, Lawyer, Prescott, Ark.
- P. T. DeBerry, 1899, Paris, Ark.
- W. H. Evans, 1899, Lawyer, County and Probate Judge, Benton, Ark.
- S. L. Jeffers, 1899, First Lieutenant U. S. Army.
- William Kirten, 1899, Lawyer, Lake Village, Ark.
- Abe J. Kempner, 1899, Little Rock, Ark.
- William Lewis, 1899, Lawyer, firm of Murphy, Mehaffy & Lewis Little Rock, Ark.
- John E. Martineau, 1899, Lawyer, firm of Robertson & Martineau Little Rock, Ark.
- Milton Rose, 1899, Lawyer, Little Rock, Ark.
- Chas. D. Frierson, 1900, Lawyer, Jonesboro, Ark.
- T. E. Helm, 1900, Lawyer, firm of Bradshaw & Helm, Little Rock, Ark.
- W. F. Harrison, 1900, Lawyer, Driver & Harrison, Osceola, Ark.
- Powell Clayton, 1900, Lawyer, Little Rock, Ark.
- J. S. McKnight, 1900, Lawyer, firm of Poole & McKnight Hampton, Ark.
- Roscoe R. Lynn, 1900, Lawyer, Little Rock, Ark.
- C. T. Cotham, 1901, Lawyer, firm of Wells, Williams & Cotham Monticello, Ark.

- J. H. Venable, 1901, Lawyer, Camden, Ark.
 T. B. Norfleet, 1901, Lawyer, Paris, Ark.
 W. B. Brooks, 1901, Lawyer, Little Rock, Ark.
 W. F. Nichols, 1901, Lawyer, Lockesburg, Ark.
 Frank W. Rushing, 1901, Lawyer, Eufaula, I. T.
 Thomas Tillar Dickinson, 1902, Lawyer, Little Rock, Ark.
 George Walter Hendricks, 1902, with office of Secretary of State,
 Little Rock, Ark.
 Byron Leonidas Herring, 1902, Lawyer, Warren, Ark.
 Edwin William Lindsey, 1902, with G. L. Meyers & Co., Little
 Rock, Ark.
 John Merrick Moore, 1902, Post-graduate work, Columbia
 University, New York.
 Clide Ernest Pettit, 1902, Lawyer, Pettit & Pettit, Stuttgart, Ark.
 Ernest Edward Williams, 1902, Lawyer, Grayville, Ill.
 June Price Wooten, 1902, Lawyer, Little Rock, Ark.
 Richard Robinson Allnutt, 1903, Lawyer, Little Rock, Ark.
 John M. Clayton, 1903, Lawyer, California.
 Frank Hatton Dodge, 1902, Lawyer, Little Rock, Ark.
 Garner Fraser, 1903, Lawyer, Clinton, Ark.
 Norman P. Haskell, 1903, Lawyer, Muskogee, I. T.
 George DeMatt Henderson, 1903, Lawyer, Little Rock, Ark.
 Fred Ellensworth Holder, 1903, with Rock Island Railway Co.,
 Little Rock, Ark.
 Robert Ward Johnson, 1903, with Union Trust Co., Little Rock,
 Ark.
 John Price Kerby, Lawyer, Lonoke, Ark.
 John Jackson Lewis, 1903, Lawyer, Pocahtontas, Ark.
 Robert Martin, 1903, Lawyer, Little Rock, Ark.
 Creslie D. Morris, 1903, Lawyer, Little Rock, Ark.
 Clay E. Smith, 1903, Lawyer, Peoples Security Co., Little Rock, Ark.
 David Dickson Terry, 1903, Lawyer, Little Rock, Ark.
 D. Everett Tucker, 1903, Lawyer, Tucker, Ark.
 Charles L. Watkins, 1903, With Board of World's Fair Commis-
 sioners, Little Rock, Ark.
 Albert F. Welch, 1903, Lawyer, Morrilton, Ark.
 J. F. Wills, 1903, Official Court Stenographer, Fifth Judicial Circuit,
 Morrilton, Ark.

ALUMNI ASSOCIATION OF THE UNIVERSITY OF
ARKANSAS LAW SCHOOL.

The object of this association is to perpetuate a bond of union among its members, to encourage a spirit of friendship, and to promote the interest of the law department and its alumni.

The officers of the association for 1903-1904 are:

Clide E. Pettit, Stuttgart, Ark., President.

Roy D. Campbell, Little Rock, Ark., Vice President.

William M. Lewis, Little Rock, Ark., Secretary-Treasurer.

The association meets in Little Rock for the election of officers and other business on the day of the annual banquet which is held during the commencement of the law department in June.

INDEX

INDEX.

Subject—	PAGE
Absences and Withdrawals	96
Accredited Schools.....	89
Admission—	
Conditions of	80
Examinations for.....	83-87
On Certificates	88
Requirements for	81, 164
To Advanced Standing.....	88
To Bar.....	201
To Collegiate Department.....	81-87
To Conservatory of Music and Arts.....	170
To Preparatory Department.....	163
To Special Studies.....	92
Agricultural Buildings	69
Agricultural Experiment Station.....	184
Agriculture, Course in.....	158
Alumni Associations	214
Ardent Spirits, Sale of	97
Armory.....	77
Arrival of Students	80
Art, Course in	180
Arts, Courses in.....	107-114
Astronomy, Course in.....	132
Athletic Association	101
Athletic Field.....	80
Athletics, Faculty Rules for the Government of	102
Battalion, Roster of	104, 105
Beneficiaries, Appointment of	94
Biology, Course in	140
Board, Cost of	94
Board for Men	95
Board for Women.....	96
Board of Trustees.....	14
Biological Laboratory.....	72
Botany, Course in.....	140
Branch Normal College	205

Subject—	PAGE
Buchanan Hall.....	68
Buildings.....	66-70
Calendar.....	10
Chapel Service.....	99
Chemical Engineering, Course in.....	113
Chemical Laboratories.....	71
Chemistry, Course in.....	137
Churches in Fayetteville.....	101
Civil Engineering, Course in.....	150
Classification of Students.....	92
Committees of Board of Trustees.....	15
Committees of Faculty.....	17
Composition, Course in.....	83, 124
Contents, Table of.....	3-8
Courses, Description of.....	123-211
Courses, Selection of.....	91
Degrees Conferred.....	54-55
For Undergraduate Work.....	106
For Graduate Work.....	106
Schedule of Studies for.....	107-114
Requirements for the Master's.....	115
For C. E., M. E., E. E., Ch. E.....	116
Of Music Bachelor.....	177
Directory of Rooms in University Hall.....	63-66
Drawing, Instruction in.....	149, 152, 155
Drawing Room.....	77
Economics and Sociology.....	135
Electrical Engineering, Course in.....	154
Electrical Engineering, Short Course in.....	121
Electrical Laboratory.....	73
Elocution.....	181
Engineering Club.....	97
Engineering Hall.....	67
English, Course in.....	124
Entomology, Course in.....	141
Ethics, Course in.....	147
Examinations, Admission.....	83-87
Examinations, Outside of Fayetteville.....	87, 165
Faculty.....	16

Subject—	PAGE.
Fees and Expenses	94
Graduation	9
In Music	183
Admission	94
Diploma	95
French, Course in	129
Garland Society Prize	99
Geology, Course in	142
German, Course in	128
Graduate Study and Degrees	115, 116
Graduation Fee	95, 117
Greek, Course in	124
Groups of English and Modern Language Studies	130
Groups of Mathematical Studies	132
History, Course in	132
Horticultural Building	69
Horticulture, Course in	159
Infirmary	68
Instructors and Officers	18, 61
Italian, Course in	130
Johnson Prize	98
Laboratories	71-75
Biological	72
Chemical	71
Electrical Engineering	73
Mechanical Engineering	73
Civil Engineering	75
Geological	73
Cement	75
Physical	72
Latin, Course in	123
Law School	198
Library	70
List of Accredited Schools	90-91
Literary Societies	97
Logic, Course in	147
Mathematics, Course in	131
Mechanical Engineering, Course in	148
Mechanical Hall	68

Subject—	PAGE.
Medical School.....	187
Metallurgy, Instruction in.....	139
Military Department.....	103
Military Science, Course in.....	160
Mineralogy, Course in.....	142
Mining, Course in.....	142
Museum.....	78
Music.....	170
Non-resident Study.....	122
Normal Course.....	117
Officers of Instruction.....	18, 61
Officers of Administration.....	26
Origin of University.....	58
Pastors of Fayetteville Churches.....	101
Pedagogy, Course in.....	143
Periclean Society Prize.....	99
Philosophy, Course in.....	143
Physical Culture.....	182
Physics, Course in.....	139
Psychology, Course in.....	144
Preparatory School.....	163
Recitations, Number of.....	92
Religious Exercises.....	99
Romance Language, Instruction in.....	131
Schedule of Studies for Degrees.....	107-114
Science Club.....	97
Science Hall.....	66
Shops.....	76
Spanish, Course in.....	130
Students—	
Arrival of.....	80
Register of, Collegiate.....	27-35
Register of, Conservatory.....	38
Register of, Law School.....	52
Register of, Medical School.....	50-52
Register of, Preparatory.....	39-50
Special.....	35-37, 92
Summary of.....	53
Surveying, Course in.....	151

Subject—	PAGE.
Term Examinations	93
The New Dormitory	68
Thesis Requirements	115, 116
Trustees, Board of	14
Tuition Fee	94
Uniform, Cost of	94
University Hall	63
University, Location of	60
University, Origin of	58
University, Purpose of	59
Vacation, Terms, etc.	10
Withdrawals	96
Wm. Jennings Bryan Prize	98
Y. M. C. A.	99
Zoology, Course in	141